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SUMMARY

I am a high-energy, high-profile Astronomy and Science Public Outreach specialist. I am also a highly valued technologist in the areas of UNIX system administration and application administration. As a public personality and teacher I have honed my skills in numerous locations in New York, New Jersey, Pennsylvania, and Connecticut, with many invited television appearances and speaking engagements in top New York venues such as the Explorers Club and the American Museum of Natural History. I have been fortunate to be able to teach astronomy adjunct at William Paterson University with weekend and online classes. WPU has provided me a home base for further opening my interest and passion for astronomy and science. On the technology side, I am one of the core employees of BGC Partners, and was vital in the reconstruction of our company after Cantor-Fitzgerald was devastated in the World Trade Center attack in September, 2001. Being one of the few survivors from the company, I helped to bring the US Treasury trading systems back online, to reconstruct the UNIX infrastructure, and to rapidly re-develop administrative tools in time for the Bond Market Association's aggressive re-opening 72 hours after the loss of most of the staff in the company. I continue to be a central person in planning, implementation and management of personnel, equipment and applications, and enjoy the respect and trust of my co-workers and management.

As a result of that tragedy, I chose to re-engage my academic career. I attended the January, 2002 conference of the American Astronomical Society and returned with conference materials to give to my co-workers, both technologists and financial. Some of those posters adorned the walls of our makeshift office at our disaster-recovery data center in Rochelle Park, NJ until October of 2015 when BGC Partners vacated that location. I began pursuing volunteer work at the American Museum of Natural History, becoming one of their top "Explainers" in Earth and Space. My involvement in the International Year of Astronomy in 2009 was widespread and unmatched by an un-affiliated individual in the United States.

In short, there is simply no one else in the U.S.A. with my commitment, energy and personality. I am a unique advocate for science and astronomy in the USA, and it is time to bring that to bear in a new setting, where I can dedicate full time to the pursuit.

EDUCATION

- Master of Fine Arts, Acting*
The University of Texas at Austin, Austin, Texas July 1996
THESIS: "A Character Study of Frank from Wonderful Tennessee by Brian Friel"
Performed part of "Frank" in Wonderful Tennessee by Brian Friel in Thesis Production.
- Master of Science, Astronomy*
New Mexico State University, Las Cruces, New Mexico July 1993
THESIS: "The Effect of Time-Varying Density Fields on Cosmic Microwave Background Radiation: A New Formulation."
- Bachelor of Science, Majors in Mathematics and Astronomy, minor in Physics*
Minnesota State University at Mankato, Mankato, Minnesota June 1990
Presidential Scholarship Student, Leo V. Standeford Scholarship Student, Phi Kappa Phi.
- Sun Systems Certification, LDAP as a Naming Service*
Exceed Education, Edison, New Jersey July 2006
- Certification, Periphonics Programmer*
Periphonics Corporation, Hauppauge, New York November 1998
- Certification, UNIX Administration and C/C++ Programming*
Pace University, New York, New York September 1997

PROFESSIONAL EXPERIENCE

- William Paterson University* September 2011 – present
Department of Physics, Wayne, New Jersey Adjunct Professor of Astronomy / "Astronomy Liaison"
- Instructor of Astronomy for undergraduate general education. Students were tested on topics of general astronomy and physics, as well as doing practical outdoor experiential education. This latter portion involved teaching students how to operate an amateur telescope and present their knowledge to the general public as part of stargazing public sessions. This latter portion supported the book-reading, and lecture pedagogy by giving a real-world application to their academic learning. In 2013, I created an Introduction to Cosmology class with the support of the Dean and Department Chair. The class was also offered online through the Continuing Education Department. I also created numerous new astronomy-related laboratory activities, one of which has been published on the Hubble Legacy Archive Educational Materials website. With the official title of "Astronomy Liaison" for the Department, I hold one major public event on campus each semester, highlighting a current event in Astronomy. The largest event was the Curiosity Landing Party, where the university opened its doors well into the night to watch the EDL of Curiosity. I have also represented WPU at three American Astronomical Society meetings, heading up high-profile public stargazing events in Indianapolis, Boston, Washington D.C., and Kissimmee, Florida.

BGC Partners/Cantor-Fitzgerald
New York, New York

January 2000 – present
Systems and Applications Administrator

- **Disaster Recovery.** As part of the surviving team of engineers and technicians from the World Trade Center disaster, I helped in all areas of recovery, working 24-hours shifts to get our company back online and ready for trading at the re-opening of the Bond Market on September 15, 2001.
- **Administered hundreds of Solaris UNIX, RedHat Linux, and Windows machines in a large, global WAN as part of eSpeeds US Treasury Trading Systems.** Recently have been heading up applications and systems administration for our Foreign Exchange initiatives. Responsibilities included small group management of 8-10 people, maintenance, procurement, troubleshooting, network and system optimization, application management, user management, statistical analysis and reporting, and development of numerous analysis and management scripts. Interfaced extensively with other departments on major projects, product deployment, and quality assurance. Obtained extensive experience with disaster recovery and 24x7 uptime environments.
- **I was the prime driver in the application split when BGC sold its US Treasury business to NASDAQ.** All of the primary employees that went to NASDAQ did not have the requisite knowledge base to properly and securely separate the strongly intertwined application environment. BGC/eSpeed at the time of the NASDAQ split had 170 active electronic trading platforms that used the distribution components, both in terms of hardware and applications. A global parallel application environment had to be constructed over the course of approximately 2 weeks time to comply with the sale. It fell to me to create, distribute and implement that environment on my own. Downsizing and personnel transfer had eliminated appropriate resources. I accomplished it without any negative impact to any of the core businesses to either BGC or NASDAQ.
- **FIX Implementation Initiative.** I am currently assisting in the implementation of our Direct FIX business solution for our core business. I have been managing software implementation, testing, documentation, debugging since mid-2011. I have been the project manager for all FIX-related software installations. I am responsible for assisting in quality assurance, third-party vendor application administration and relationships, and communicating the software usage to the team. I have developed monitoring and administrative software as well as deployment platforms, processes and metrics.
- **Foreign Exchange Initiative.** I was central in the implementation of Foreign Exchange business solutions. I managed software implementation, testing, documentation, debugging. I have been the project manager for all FX-related software installations. I am responsible for server installation, application distribution and management, liaising with critical early-adopter clients on network, server, application and API installation, troubleshooting, and relationship management. In addition, I am the primary application evaluator and quality-assurance manager for applications that run in beta and production. I provide detailed statistical and analytical reports back to business and development concerning problems and performance. I have discovered a number of critical, show-stopper problems and have assisted development in addressing those concerns.
- **Global Standards Initiative.** I have worked extensively with internal groups in our global offices to create global standards to application support and administration. The application management software and scripts that I wrote are used for all applications on all servers globally. I have also created a global application distribution system which allows one team member, even one with minimal experience, to execute global production releases on thousands of applications on hundreds of servers with ease, clarity and reliability. This process is ongoing as our internal development team comes up with numerous applications to respond to fast-changing business initiatives.

TDWaterhouse Securities (Now TD Ameritrade)
Jersey City, New Jersey

July 1998 – December 1999
Systems Programmer

- Developed and maintained front-end applications for discount brokerage financial institution. Utilized Solaris and Windows NT operating systems in conjunction with Periphonics PeriPro to debug, maintain and develop C, Bourne, and C++ scripts for touch-tone and voice-activated brokerage firm applications. PeriPro is a GUI-based programming language that uses object-oriented visual programming. It was the standard for touch-tone phone-based application administration for some time.

Rockefeller University
New York, New York

September 1997 – June 1998
Systems Programmer and Administrator

- Provided support and development for an academic computing services department. Administered Solaris and SGI UNIX, Win95 and NT workstations in a heterogeneous WAN. Developed software and administrative scripts for the Rockefeller University Computing Services department in Perl, C, and Korn/Bourne shells. Wrote a copyrighted interface software piece which integrated the RUCS Windows-based calendaring system used by the secretarial staff with the SGI UNIX calendar software used by the technical staff.

Lehman High School
Bronx, New York

September 1996 – August 1997
Mathematics Teacher

- Instructed 9th and 10th grade mathematics in an inner-city New York Public School. Responsible for instruction, evaluation, grading, and guidance of high school students. Gained a broad understanding of the educational issues involved in teaching to an urban student body in an educationally challenging environment.

The Creede Repertory Theater
Creede, Colorado

June 1996 – August 1996
Actor

- Actor performing in summer-stock in repertory and a major regional theater. Performed in *Brighton Beach Memoirs*, *Little Shop of Horrors*, and Margaux's *Successful Strategies*. Also acted in fundraising events for the theater as well as community involvement while in residence in Creede.

The University of Texas at Austin
Austin, Texas
Departments of Astronomy and Theater

September 1993 – June 1996
Teaching Assistant and Assistant Instructor

- Provided support for experimental introductory astronomy courses utilizing peer-instruction and self-paced formats as well as traditional lecture-based format. Responsibilities included grading, evaluation, tutoring, and lecturing. Laboratory section included prepared and impromptu lectures to students, as well as guided study sessions. Self-paced format classes utilized computer-aided grading for testing and laboratory experiments in astronomy, including guiding stargazing sessions at the campus observatory. Full-class lectures were given when the instructor was absent.

Dona Ana Branch Community College
Las Cruces, New Mexico
"Kid's College" for 5th-7th Grade Students

July 1992
Instructor

- Conducted summer session courses for elementary school children interested in physical sciences. Course demonstrated scientific principles as applied in astronomy, chemistry, and architecture. Students built model bridges, scale solar systems, and participated in basic chemistry experiments. Responsible for course organization and student evaluation.

New Mexico State University
Las Cruces, New Mexico
Department of Astronomy

September 1990 – December 1992
Research Assistant and Teaching Assistant

- Assisted in the documentation, debugging, and troubleshooting of remote observing software for Apache Point Observatory at Apache Point, New Mexico. Supported nightly observing runs by faculty, post-docs and outside researchers. Developed the operation manual for remote usage of a major research telescope utilizing UNIX operating systems and Apple OS. As Teaching Assistant, ran laboratory sessions, tutoring sessions and graded homework assigned by professor.

Minnesota State University at Mankato
Mankato, Minnesota
Leo V. Standeford Observatory , Department of Astronomy,

September 1986 – May 1990
Astronomical Observatory Tour Guide

- Gave lectures and tours of the observatory and the night sky for both undergraduate students and the general public. Led and assisted with the University's open nights observing Halley's Comet, which drew crowds of thousands. Ran and cared for telescopes used for public events.

VOLUNTEER PUBLIC OUTREACH AND EDUCATION

The Weather Channel
New York, New York

October 2014 – October 2015
On-Air Personality

The Weather Channel "Wake Up With Al" and "AMHQ"

- Monthly on-air, live broadcast of astronomy topics on a nationally televised cable network show. I was interviewed by hosts Al Roker and Stephanie Abrams about monthly events in the night sky. I wrote the script, created the on-air graphics, assisted Al and Stephanie with background knowledge about the topic. The goal is to foster an appreciation of the night sky in the viewers, as opposed to space missions. I cultivated style is that of a "folksy urban astronomer." Scheduled for a one-year commitment in 2015, "Wake Up with Al" was cancelled by TWC in October 2015. I was subsequently on a short segment in December, with discussions ongoing.
- Videos of past interviews: <http://www.jasonkendall.com/videos.shtml>

American Astronomical Society
Conference Locations

June 2013 – present
Public Stargazing Events Coordinator

- Coordinated the first-ever public star parties by the leading professional organization of astronomy in the USA. Public stargazing events at the June 2013 AAS meeting in Indianapolis, Indiana, the January 2014 meeting in Washington, D.C., the June 2014 meeting in Boston, Massachusetts and the January 2016 meeting in Kissimmee, Florida. In addition, to the stargazing events in Boston, I coordinated the amateur-related events at that meeting. This involved arranging speakers, and having the AAS present for the first time ever, an amateur-astronomer astrophotography session. At the Boston meeting in June, 2014 the A.A.S. experimented with an amateur astronomer session. I chaired the session, arranging for speakers for them. I also curated an amateur astrophotography poster session, which highlighted the works of Howard Fink and Stan Honda.

Amateur Astronomers Association of New York
New York, New York

December 2008 – present
Board Member

- As part of the Board of this 90-year-old organization, I assist with fiscal management, events planning, public outreach and development. The AAA is the oldest association of its kind in New York State. I have been instrumental in helping guide the Association to a more proactive community role, and have significantly helped to increase its public awareness. I helped to increase its contact (non-membership) list to over 3000 from under 200 in one year, and have helped to increase attendance to public events through advantageous and targeted use of social media.

During my time on the time on the Board, the paying membership has grown consistently over the years I have been on the Board. The Club has joined NASA's Night Sky Network, created numerous additional outdoor stargazing events, increased its class and lecture offerings, and begun a program of interaction with New York City schools. I've also led a professional/amateur relationship with the American Museum of Natural History by managing the amateur attendance and participation in quarterly star parties at the Hayden.

American Museum of Natural History

New York, New York

September 2007 – present

Volunteer Explainer and Digital Universe Tour Guide

Department of Volunteers and the Hayden Planetarium

- I give weekly tours of the Hall of the Universe, Hall of Planet Earth, Hall of Meteorites, and Halls of Minerals and Gems. On these tours, I perform educational outreach for both lay and professional public visitors, answering all levels of questions from “What is the Moon made of?” to “What was there before the Big Bang?” I have also operated the navigational software for the sky simulation “Digital Universe” as part of the Hayden Planetariums Tuesday Evenings in the Dome public space presentation series. The staff calls this “Piloting the Dome”, because of the immense projection. In June, 2010 and again in June 2015, I was awarded “Earth and Space Explainer of the Year” in the Astrophysics division, and was a key speaker and tour guide for the special 2011-2012 “Beyond Planet Earth” exhibit.

Other Television, Radio and Newspaper Coverage and Appearances

- <http://www.jasonkendall.com/appearances.shtml>

View the website above for a complete listing of all events, including interviews for The Weather Channel, WNYC, CBS News, FOX News and Weather.com. I have coordinated or participated in many public events across New York, New Jersey, Pennsylvania and Connecticut. Listed below are features from that set of events. The complete list of events and details for these events are online. Most recently, on January 19 and 20, I was contacted by both the New York Times and WNYC's "The Takeaway" to give interviews on the subject of the planets in the nighttime sky. My interview on this show was heard by many hundreds of thousands, and their social media side received tens of thousands of hits. Likewise, the New York Times article for which I was interviewed was also seen and viewed by a very large segment of the US.

The Explorers Club

New York, New York

2012 to 2014

Invited Speaker

Invited to be the public lecturer at this historic and exclusive club in New York City.

- 2016, February 29: “Latest News from Mars and Pluto”
- 2014, May 12: “Inflation, Gravitational Waves and the Big Bang”
- 2014, February 3: “Black Holes and Gravitational Waves”
- 2013, March 25: “The Hubble Extreme Deep Field Survey”
- 2013, January 14: “Voyager: the Interstellar Mission”
- 2012, September 17: “Curiosity on Mars”

The Hayden Planetarium

American Museum of Natural History, New York, New York

2009 to 2010

Invited Speaker

Invited to be the public night speaker in the Hayden, using the Digital Universe as a backdrop.

- 2010, April 6: “The Grand Tour of the Universe.”
- 2010, February 2: “The Farthest Reaches of the Cosmic Ocean.”
- 2009, May 22: “The Grand Tour of the Universe.”

Stamford Observatory

2010 to present

Stamford Museum and Nature Center, Stamford, Connecticut. Stamford Observatory Public Lecturer
Featured guest speaker at least 4 times each year at this historic observatory outside Stamford. The audience draws 40-100 people on public nights. Titles below:

- 2015, November 6: "Betelgeuse, the Supernova that Might"
- 2015, July 24: "Searching for Planets around other Stars"
- 2015, May 29: "The Summer Triangle and the Milky Way"
- 2015, May 8: "Galaxies and Dark Matter"
- 2015, February 27: "Comets and Meteors"
- 2015, January 9: "Black Holes: the End of Space and Time"
- 2014, October 24: "Pluto, The Battle for a Planet"
- 2014, July 11: "The Birth of Science: How Galileo Shook the World"
- 2014, May 23: "Inflation and the Big Bang"
- 2014, February 21: "Astrophotography for Free"
- 2013, September 27: "Life in the Universe"
- 2013, July 12: "Big Bang"
- 2013, June 28: "Nine Planets"
- 2013, May 17: "Saturn"
- 2013, March 15: "Hubble Deep Field survey"
- 2013, February 1: "The Orion Nebula"
- 2012, November 9: "Curiosity on Mars"
- 2012, July 27: "The Universe is 13.67 Billion Years Old"
- 2012, May 25: "NuSTAR"
- 2012, January 20: "The Kepler Space Telescope"
- 2011, October 7: "Curiosity: The Mars Science Laboratory"

Cherry Springs Star Party

June 2012 to June 2015

Cherry Springs State Park, Coudersport, Pennsylvania

Featured Speaker

Titles of public talks:

- 2015, June 13: "Using the STSCI Digitized Sky Survey for Imaging and Education."
- 2014, June 28: "Gravitational Waves: Looking for Light in all the Wrong Places."
- 2013, June 8: "Extreme Urban Stargazing: Outreach in New York City and Beyond."
- 2012, June 16: "Curiosity: The Mars Science Laboratory: Seeking Life on Mars."

William Paterson University

2011 to present

Wayne, New Jersey

Public Lecturer at as Astronomy Liaison Coordinator

Titles of public talks:

- 2015, October 10: WPU Homecoming: "Searching for Life Out There in the Universe"
- 2015, March 28: "Black Holes and Time Warps"
- 2014, September 20: "The Battle for (Planet) Pluto"
- 2013, September 28: "Life in the Universe"
- 2013, April 25: "The Real Big Bang Theory - How the Universe Began"
- 2012, August 5: "Night on Mars" Curiosity Landing Party at WPU.
- 2012, April 28: "Curiosity: The Mars Science Laboratory: Seeking Life on Mars"
- 2011, October 6: "Wild Universe! Black Holes, Gamma-Ray Bursts, Quasars and Neutron Stars!"

Amateur Astronomers Association of New York

2012 to 2014

New York, New York

Featured Speaker

Titles of public talks:

- 2014, August 23: "1609: The Birth of Science. (Intrepid Sea, Air and Space Museum)"
- 2014, May 14: "Inflation, Gravitational Waves and the Big Bang. (AMNH Linder Theater)"
- 2012, July 25: "The Universe is 13.67 Billion Years Old"

Amateur Astronomers Association of New York
New York, New York

2010 to 2015
Instructor

Classes for the members of Amateur Astronomers Association of New York

- 2014, November-December: "Introduction to Astrophysics"
- 2012, May 31: "Transit of Venus: Building a Sun Funnel and Learning about the Transit."
- 2011, January-March: "Astrophysics for Amateurs: an Intensive Reading Course."
- 2010, July-August: "Introductory Cosmology" an intensive reading course, with a special guest lecture by Dr. David Spergel of the WMAP team. Also attended by Dr. Joe Romano from University of Texas at Brownsville on remote.

United Astronomy Clubs of New Jersey
Hope, New Jersey

2014-2016
Featured Speaker

Titles of public talks:

- 2016, April 16: "Galaxy Spectra (upcoming)"
- 2015, August 22: "Amazing Data from Pluto"
- 2015, April 25: "Pluto, the Arrival of New Horizons"
- 2014, June 21: "The Birth of Science: How Galileo Shook the World"

Hudson River Museum
Yonkers, New York

2011
Featured Speaker

Titles of public talks:

- 2011, September 18: "Vesta Fiesta! Dawn Arrives at Vesta."
- 2011, May 8: "A Tour of the Galactic Neighborhood."
- 2011, April 17: "Solar System Exploration: What's Next?"

The New York Public Library
New York Public Library, Inwood Branch, New York, New York

2009 to 2012
Featured Speaker

Featured events included a Space Camp in August 2011 for 6-8th grade students which used NASA's Summer of Innovation materials, and a live discussion via Skype with Azhy Hasan, the director of the Amateur Astronomers Association of Kurdistan, Iraq. This latter event attracted many kids who were able to hear from across the Earth and meet Azhy's energetic son and daughter.

- 2013, August 10: "The Big Bang: Latest Results from Planck."
- 2013, July 13: "Life in the Universe"
- 2012, August 25: "Curiosity on Mars"
- 2012, July 21: "Seeking Life on Mars: Curiosity"
- 2011, August 20: "Space Camp at the Inwood Library!"
- 2011, July 9: "Solar System Exploration: What's Next?"
- 2010, August 7, "September 18 and October 9: Introduction to Astronomy"
- 2010, June 5: "The Problem with Pluto"
- 2009, November 7 and 14: "NASA Missions to Mercury, Saturn, Mars, Pluto and The Moon."
- 2009, October 3: "The Hubble Space Telescope and the LCROSS Lunar Impact Mission"
- 2009, October 10: "Results from Yesterday's LCROSS Lunar Impact Mission"
- 2009, September 12 and 19: "Wild Universe: Black Holes, Gamma-Rays, and Neutron Stars."
- 2009, May 2 and 9: "Our Solar Neighborhood: Amazing Views of Our Planets from Space."
- 2009, April 11 and 18: "Powers of Ten: How Big is the Universe, Really?"
- 2009, March 7 and 14: "Life in the Universe: Is There Anybody Out There?"

New York City Parks

2009 to 2012

Inwood Nature Center, New York, New York

Featured Speaker

New York City Parks . Starting in 2009 as part of the International Year of Astronomy, I conducted 4 public lectures each year. Topics ranged from NASA missions such as Cassini, Dawn, MESSENGER, Curiosity, New Horizons, Kepler and Voyager, to subjects such as the Sun and Moon. The audiences were much younger at these talks, and the Park Rangers arranged for Solar Observing at the Center, and other children's activities.

- 2012, June 2: "Transit of Venus Preview"
- 2011, July 16: "Solar System Exploration: What's Next?"
- 2010, December 18: "The Hubble Space Telescope: Images that Changed the World"
- 2010, October 16: "Saturn: the Ringed Planet Up Close and Personal"
- 2010, September 11: "Our Sun; the Nearest Star"
- 2010, August 21: "Planets Around Other Stars: The Exoplanets"
- 2010, July 24: "The Problem with Pluto: The Discovery, the Debate, the Science"
- 2010, January 23: "Galileo's Telescope: How Astronomy Changed the World"

NOTABLE EDUCATION AND PUBLIC OUTREACH EVENTS

Night on Mars: Curiosity Landing Party

August 5, 2012

William Paterson University, Wayne, New Jersey

Astronomy Liaison

- Major all-night event, being the only major scheduled all-night public event in New Jersey, or in the New York City metro area. Over 200 in attendance, including university trustees. Special commendation from the President of the University.

Transit of Venus Viewing in New York City

June 5, 2012

Riverside Park South, New York, New York

Amateur Astronomers Association of New York

- Coordinated a major public event as part of the Amateur Astronomers Association for this once-in-a-lifetime occurrence. The event was covered in many major news media, including the New York Times, the UK's Guardian, Village Voice and NYPress. Market penetration of over 1.5 million, with 600 in attendance. Full listing, press quotes and impact: <http://jasonkendall.com/TransitOfVenus.shtml>
- Transit of Venus Preview and Sun Funnel Building Class : May 31, 2012. Preparation for observing the Transit of Venus. 30 Members of the Amateur Astronomers Association of New York learned to build projection screens for the event to allow numerous people at a given location to see the transit. This eliminated the problem of one person at the eyepiece at a time, and greatly enhanced people experiences at many locations throughout New York City for this event.

Take Back The Park

June 15 and 24, 2011

Inwood Hill Park, New York, New York

Amateur Astronomers Association of New York

- A stargazing event in support of community safety, following sexual assaults in Inwood Hill Park and Washington Heights. This led to an interview on WNYC, New York Public Radio. <http://www.wnyc.org/story/142529-inwood-hill-park-fighting-crime-astronomy/>

A Tour of the Galactic Neighborhood

May 8, 2011

River Museum, Yonkers, New York

Astronomy Liaison, WPU

- An interactive walk-through exhibit at the Hudson River Museum, showing all stars within 50 light-years of the Sun, to correct location and with sense of brightness. I designed and guided the construction and installation of the exhibit. I also gave tours of the exhibit to Museum patrons. Details and images: <http://jasonkendall.com/hudsonriver.shtml#20110508>

Total Lunar Eclipse at Sea
Royal Caribbean's Voyager of the Seas

2010, December 21
Cruise Ship Event Lead

- Coordinated on-board activities on cruise ship in the Gulf of Mexico. Worked with Cruise Director to publicize on board, held a public lecture in the ship's library, and coordinated on-deck viewing. Answered questions by the general public until final contact. Two years later, aboard the same vessel, a passenger asked in the opening greeting with the Captain whether they would be "doing that again."

Star Party at the New York Presbyterian Hospital Children's Care
New York, New York

September 15, 2010
Event Coordinator

- A star party for the children in critical care and their families at New York Presbyterian Hospital. Provided a telescope and NASA handouts to attendees. This was part of an enrichment program for resident families in the manner of a Ronald McDonald House stay, but in hospital.

Discovery Channel
New York, New York

April 19, 2010
Star Party Coordinator

- Coordinated and managed a major star party on the roof of a midtown Manhattan building for ITV as part of Dr. Michio Kaku's Discovery Channel show "Physics of the Impossible." In addition to Dr. Kaku, Dr. R. Paul Butler was a guest of the show. Over 40 amateur astronomers participated in this event. Images from the event: <http://jasonkendall.com/MichioKaku.shtml>

World Premiere of "Minding the Heavens"
New York, New York

October 17, 2009
Producer

- Theatrical reading of an original play by Dr. Mark Littmann. "Minding the Heavens" tells the story of Caroline Herschel's trials and tribulations as the first female professional astronomer. Directed by Jerry Marco, with Megan Cooper as Caroline Herschel. Performed at The New York Public Library, Inwood Branch. The performance was part of the IYA Cornerstone Project: *She Is an Astronomer*.

LCROSS Impact Party
Indian Road Cafe, New York, New York

October 9, 2009
Event Coordinator and Media Relations

- Part of the global event to observe the LCROSS impact on the Moon in real time. Live television, telephone and blogging coverage of the event by FOX5 NY News, Associated Press, Christian Science Monitor, National Geographic, Village Voice and Time Out New York.

Inwood Star Fest
New York, New York

April 3, 2009
Star Party Coordinator

- Managed, originated and coordinated the initiative to do lights-out observing in New York City as part of IYA2009 Cornerstone Project "100 Hours of Astronomy." This was the first time that New York City has ever turned off the lights in a major park for astronomy. This event was covered in the New York Times. <http://www.nytimes.com/2009/03/09/nyregion/09stars.html>

IYA Official Song Debut
New York, New York

February 15, 2009
Party Producer

- World Debut of "Up Up Up in the Sky" by Donna Stearns and the Big Bangers. This song was one of 11 songs chosen by the International Year of Astronomy to represent this global celebration and public outreach event. Song was produced on an independent label and distribution is on iTunes and CDBaby.

AREAS OF ASTRONOMICAL RESEARCH AND PUBLICATIONS

Theoretical Cosmology

Master's Thesis, "The Effect of Time-Varying Density Fields on Cosmic Microwave Background Radiation: A New Formulation." Advisor, Dr. Eric Linder, New Mexico State University. Las Cruces, New Mexico.

Thesis examined an application of the Post-Newtonian metric on light propagation through a simple model universe. Energy changes of a Cosmic microwave background photon were calculated for various intervening distributions of matter. The resulting calculations gave a rough map of the temperature variations expected in the 3 degree cosmic background radiation due to the hypothesized mass. This method may be used in future works to determine the effect of observed large-scale matter distributions on the background radiation.

Stellar Kinematics

Undergraduate Research Project, "Spatial Distribution of Galactic Am Stars." Advisor, Dr. Jon Hakkila, Mankato State University, Mankato, Minnesota.

Project involved cataloging all known Am stars into a single database. This catalog was then used to determine the scale height of Am stars in the Galactic Disc and to examine the kinematic properties of these stars. Designed analysis software for optimal use of a large database. Goal was to test software and data analysis for use with the BATSE (Burst and Transient Source Experiment) on board the Gamma Ray Observatory. Dr. Hakkila was a mission specialist for that orbital observatory.

Publication

- Chung, Song and Kendall, Jason *Astronomy:Retracing Galileo's Steps*. (Kendall Hunt, Dubuque, Iowa, 2012). Lab Manual for introductory astronomy classes.

Papers Presented at Conferences of the American Astronomical Society (AAS)

- "101 Astro Honors Laboratory Exercises using the Hubble Legacy Archive, the Digitized Sky Survey on MAST, and Stellar Spectral Catalogs." AAS Meeting #223, #451.09; Bulletin of the American Astronomical Society, Vol. 44. January 2014.
- "Extreme Urban Stargazing: Outreach in New York City and Beyond." AAS Meeting #221, #20.04; Bulletin of the American Astronomical Society. January 2013.
- "IYA In NYC: Urban Outreach In A Diverse Community." AAS Meeting #215, #215.04; Bulletin of the American Astronomical Society, Vol. 43. January 2010.
- "The Inwood Astronomy Project: Ready for IYA 2009." AAS Meeting #213, #465.11; Bulletin of the American Astronomical Society, Vol. 41, p.413. January 2009.
- "Astronomy Outreach in Upper Manhattan, New York City." AAS Meeting #212, #50.05; Bulletin of the American Astronomical Society, Vol. 40, p.246. June 2008.
- "The Effect of Time-Varying Density Fields on Cosmic Microwave Background Radiation: A New Formulation." December 1992.
- "Large-Scale Anisotropies in the Spatial Distribution of Am and Ap Stars." Hakkila, Jon and Kendall, Jason Shilling, June 2008.

Published Essays in “Here, There, Everywhere”, a Children’s Online News Magazine

“Here There Everywhere” is an online journal featuring the day’s news edited for children between the ages of 8 and 14. Edited by Claudia Heitler. I wrote a series of essays for children to learn about science and astronomy. www.htekidsnews.com

- 2016, February 12: “Black Holes Makes Waves”
- 2016, January 19: “Planet Parade”
- 2013, March 15: “Life on Mars?”
- 2013, February 15: “Meteor Blazes Over Russia!”
- 2013, February 15: “Asteroid Close Call.”
- 2012, August 4: “Curiosity To Land (Finally!)”
- 2012, July 9: “Higgs Boson, Huh?”
- 2012, June 4: “Once in a Lifetime: Transit of Venus!”
- 2011, December 7: “Big Discoveries: Biggest Black Hole and a New Earth!”
- 2011, November 22: “Curiosity Goes to Mars.”
- 2011, September 20: “Tattooine-like Planet Discovered!”

Published Essays in “Eyepiece” the Journal of the Amateur Astronomers Association of New York

All articles are edited by the editor, who is elected by the Board for the Association. www.aaa.org

- 2015, August: “The Summer Triangle: Gateway to the Milky Way”
- 2014, July: “The Stars Come Out on Boston Common”
- 2013, June: “Was There Actually Life on Mars?”
- 2013, April: “A Date With Comet PanSTARRS”
- 2013, March “Counting the 107”
- 2012, May: “Observing the AMNH/AAA Star Party”
- 2011, October: “Vesta Fiesta! Spacecraft Dawn Arrives at Vesta”
- 2011, July: “The Night that Amateur Astronomers Took Back the Park”
- 2011, June: “Mission Recommendations in an Age of Austerity”
- 2011, May: “After Circuitous Flight, MESSENGER Enters Mercury Orbit”
- 2011, April: “AAAs Astrophysics for Amateurs Class is a Great Success” by Evan Schneider.
(Review of my Jan-March class)
- 2011, February: “Impressions of the Lunar Eclipse by 3 AAA Members”
- 2010, October: “An Introduction to Cosmology with a Noted Guest Lecturer”
- 2010, August: “Report on the AAA Seminar”
- 2010, May: “Recent-Advances Seminar: Diverse Topics, Diverse Attendees”
- 2010, April: “Discussion Is Lively and Diverse at AAA Seminar”
- 2010, March: “Going Under The Dome and Out of This World” by Evan Schneider
(Review of Feb 2 event at Hayden)
- 2010, February: “Members to Make Presentations at Clubs Seminar”
- 2009, November: “A Busy Century of Cosmological Challenge and Discovery”
- 2009, October: “The Hard Slog to Get to the Moon at Lower Cost”
- 2009, September: “Observing Our Nearest Neighbor and More”
- 2009, August: “Kepler Space Telescope Will Open Unprecedented New Vistas”
- 2009, May: “A Memorable Lights-Out Night in Inwood Park”
- 2009, April: “AAA Board Member Featured in The Times Featured in The Times”
(editor coverage of IYA 2009 lights out)
- 2009, February: “100 Hours of Astronomy Effort Is Ready to Roll”

MEMBERSHIPS

American Astronomical Society
Amateur Astronomers Association of New York, Board Member
Astronomical Society of the Pacific
International Dark Sky Association
American Museum of Natural History

COMPUTER SKILLS

Solaris UNIX (2.6, 8, 10), VMS VAX, Win7/95/98/NT/XP, MSDOS, MacOS 10, Perl, C/C++, HTML, LDAP, Jumpstart, Kickstart, Shells Korn, Bourne and CSH, Tibco Hawk, Perforce, iConclude/OpsWare, FIX protocol, Client-provided API implementation, FORTRAN, Periphonics Peripro, PGP, SSH, Samba, Xwindows, Solstice PC-Xware, EXMH, Legato, PC and Macintosh Microsoft Office and associated packages, Adobe Photoshop, TeX and LaTeX, and numerous hand-written codes and programs designed for scientific, mathematical and astronomical applications. Strong and clear technical writing and communication skills.

THEATRE ARTS ADMINISTRATION

Shakespeare Saturdays
New York City, New York
New York City Public Library, Inwood Branch

2004 to present
Artistic Director, Director and Performer

- Created and maintained a long-term partnership with the New York City Public Library to perform Shakespeare's plays at the Inwood Branch. One of the primary goals of this project was to include minority actors in the cast, and we have successfully included over 100 minority actors into our productions, with many returning performers. We also brought together outside professional directors for the actors to make connections inside the industry. In 2011, we completed the entire Shakespeare canon. I have directed a fifth of all the Shakespeare plays, had a hand in casting in all, and performed in many. I also devised script-analysis methods to determine how many actors Shakespeare used in a given play by counting the actors on stage and the entrances and exits, as well as relative stage times. I have made numerous "casting charts" which detail the required doubling and tripling of Shakespeare plays which have been used by regional theater directors. I am compiling these charts for publication. More information at <http://www.shakespearesaturdays.com>

Tongue and Groove Theater
Austin, Texas

1995
Founding Member

- Founding Board Member of this professional theater organization in Austin, Texas. The group's debut performance, (in which I was also performed) *The Billy Club Puppets* was called "The Best New Play in Austin," 1996, by the Austin Chronicle, the leading arts magazine in Austin.

"Art-In-Performance" Student Government Official Organization
Austin, Texas

1993-1996
Administrator and Producer

- Founded and administered a student organization at The University of Texas at Austin, dedicated to theatrical ventures. Produced *A Midsummer Night's Dream* (Spring 1995), *As You Like It* (Fall 1995), *Rosencrantz and Guildenstern are Dead* (Spring 1995) and *Frankie and Johnny in the Claire de Lune* (Spring 1996). Directed *Love Letters* by A.R. Gurney (Fall 1993), *Hit and Miss* (Spring 1994), and *Musical Chairs* by Mark S.P. Turvin (Fall 1994). The production of *Midsummer* was of particular importance, since this free outdoor show on the campus had audiences exceeding viewing capacity, losing count at about 600 attendees on each of the 6 performances.

THEATRICAL REVIEWS AND PUBLICITY

“The Dentist, or Be Careful What You Put In Your Mouth” Summer 2002
NYFringe Festival, New York, New York Director and Playwright
New York Times: <http://nytimes.com/2002/08/20/theater/theater-feels-a-boost-uptown-and-down.html>

- “Open wide, here we COME! Jason Kendall’s *The Dentist or Be Careful What You Put in Your Mouth* is a 90-minute farce that takes place in a Time when Things were Simpler. Simpler they are not, at least not in this tangled web, which plays out in a frenzy of passion, jealousy and trickery....The humor shines.”

Photos and publicity materials here: <http://www.moonbeam.net/TheDentist/>.

All The World’s A Stage Summer 2002
Midtown International Theater Festival, New York, New York Director
OOBR, Volume 9, number 5. <http://www.oobr.com/top/volNine/five/Alltheworld.htm>

- “Stearns was blessed to find a director and cast that boast a collective talent, intelligence, and technical prowess not often seen on a low budget. Director Jason Kendall’s pacy production allowed for the zaniness of farce and skated lightly through throwaway moments of high-school humor, while allowing individual characters to shine. Impressively, he successfully incorporated two genuinely moving moments as Silvius and Celia sang the ballad of unrequited love “Midnight Pillow” without a trace of irony. It was a daring moment in a show that spoofs sentimentality, but here it provided a well-judged contrast to all the knowing comedy.”

Measure for Measure Spring 2000
New York Comedy Club, New York, New York Director
OOBR, Volume 6, number 30. <http://www.oobr.com/top/volSix/thirty/0422measure.html>

- “The Bard’s tragicomic treatise on the abuses of power is particularly relevant to the current political climate in New York City, and Jason Kendall’s mostly terrific production took advantage of that relevance with subtle but pointed glee. Purists beware: there was nothing reverential, weighty, or traditional here. Kendall freely interpolated rap, current street language, and hip-hop into the mix (not unlike the current Off-Broadway smash *The Bombitty of Errors*), and the result was one of the freshest, smartest, and funniest evenings in recent memory. If Kendall wasn’t entirely successful in solving the play’s abrupt tonal changes, his production was so joyously alive, so vital, and so entertaining that it didn’t matter. By treating the text respectfully but without awe, Kendall and his winning ensemble made the 400-year-old play as fresh as tomorrow’s headlines.”

Don Juan in Hell Fall 1999
J.E.T. Theater, New York Director
OOBR, Volume 6, number 4. <http://www.oobr.com/top/volSix/four/0928don.html>

- “Young talented artists who act, write, and direct are fueling the Off-Off-Broadway movement. Jason Kendall and Donna Stearns exemplify this type of artist, taking on nearly all the responsibilities of play producing. Kendall produced, directed, and acted in *Don Juan in Hell*....The actors all had a good grasp of Shaw’s language and did excellent work with the long, wordy speeches.”

For Whom the Southern Belle Tolls Summer 1999
J.E.T. Theater, New York, New York Director
OOBR, Volume 6, number 2. <http://www.oobr.com/top/volSix/two/durang.html>

- “Jason Kendall directed his cast in a side-splitting romp into Menagerie-land that would make the most jaded fall down and crack up.”

Musical Chairs and Other Diversions
The Actors' Loft, New York, New York
OOBR, Volume 4, number 11.

Spring 1998
Director

<http://www.oobr.com/top/volFour/eleven/musical.html>

- “Musical Chairs and Other Diversions was more performance piece than play, but the evening began on an upbeat and gracious note as soon as the audience entered The Actors' Loft. Some wine was offered, some hors d'oeuvres – and everyone was introduced to everyone else, cast and audience members alike. It was very easy to succumb to this party atmosphere – shy people were shy no longer, and strangers were just friends you hadn't met yet. And all this before even entering the theatre.”

Wonder is a Wonder is a Wonder
J.E.T. Theater, New York, New York
OOBR, Volume 4, number 9.

Fall 1997
Director

<http://www.oobr.com/top/volFour/nine/jet.html>

- “This material provided a pleasant and whimsical diversion that bodes well for the playwright, the energetic cast and director...this cast threw themselves into their characters like Samurai going into battle.”

Top Ten Plays of the 1990's in Austin
Austin Chronicle, Austin, Texas

Fall 2000

- Played leads in two of the top ten plays hailed by the Austin Chronicle's “Top Ten Plays of the 90's in Austin.” Arlecchino in *The Three Cuckolds* and multiple roles in *The Billy Club Puppets*.
<http://www.austinchronicle.com/arts/2000-01-07/75363/>
- Nominated for a Critics Table Award in 1995 for the performance of Arlecchino.
<http://www.austinchronicle.com/arts/1995-05-12/533446/>

Selected New York City and Regional Acting Experience

New York City

The Dentist	Pantalone	The Duplex
All's Well That Ends' Well	The Widow	Tattooed Potato at St. Mark's Church
Don Juan in Hell	The Statue	J.E.T. Theatre
Romeo and Juliet	Friar Lawrence	Tempest Productions
The Bargain	Quinn Marker	Pulse Discovery Theatre
Summer and Smoke	John	J.E.T. Productions, Showcase
Spike Heels	Andrew	The Actors' Loft, Showcase

Regional Theater

Brighton Beach Memoirs	Jack	Creede Repertory Theater
Successful Strategies	Arlequin	Creede Repertory Theater
Little Shop of Horrors	Mushnik	Creede Repertory Theater
The Twilight Zone	Mr. Coswill	Creede Repertory Theater
The Billy Club Puppets	Quakeboots/Wearisome	Tongue and Groove Theatre, Austin, Texas
Wonderful Tennessee	Frank	The University of Texas at Austin
The Three Cuckolds	Arlecchino	The University of Texas at Austin
West Side Story	A-Rab	The University of Texas at Austin
Love Letters	Andrew Ladd	The University of Texas at Austin
I Hate Hamlet	Gary Peter Lefkowitz	The American Southwest Theatre Company
Time of Your Life	Dudley R. Bostwick	The American Southwest Theatre Company
Kringle's Window	Santa Claus	The American Southwest Theatre Company
Act Without Words II	B	The American Southwest Theatre Company

- *The Billy Club Puppets* was awarded Top Ten Play of the 1990's in Austin (Austin Chronicle)
- *The Three Cuckolds* was awarded Top Ten Play of the 1990's in Austin (Austin Chronicle)
- Nominated for a Critic's Table Award in 1995 by the Austin Chronicle as Best Comedy Lead in *The Three Cuckolds*.
- *Wonderful Tennessee* was Master of Fine Arts Thesis Role, 1996