Cee Gould

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EDUCATION

UC BERKELEY
BA in Astrophysics
Expected May 2018 | Berkeley, CA
College of Letters & Science

AWARDS

- Regents and Chancellors Scholar and Full Ride Scholarship '13-'18
- SURF Rose-Hills Experience Fellow '16
- 1st Place CanSat competition, Space Hackathon 2014

COURSEWORK

Basic Semiconductor Circuits
Quantum Mechanics
Introduction to Astrophysics
Classical Mechanics, Vibrations and Waves
Thermodynamics, Electricity and Magnetism
Optics, Special Relativity and Modern Physics
Introduction to Entrepreneurship

CONFERENCES

- Sagan Exoplanet Summer Workshop '17, Pasadena, CA
- Women in Astronomy IV '17, Austin TX
- Global Hands On Universe '16, Norway
- Poster at Summer AAS 228, San Diego
- Invited panelist at Synberc Expanding Potential Workshop, Berkeley CA
- Conference for Undergraduate Women in Physics '16, San Diego CA
- Poster at Winter AAS 227, FL
- Invited panelist at Indigenous Worldviews in Informal Science Education '15, ABQ, NM
- CUWiP 2015, Santa Cruz CA
- Organized Society of Physics Students Zone 18 Meeting 2014, Berkeley CA
- CUWiP 2014, Berkeley CA

SKILLS

OBSERVATIONAL
Local and remote optical imaging • target selection • data reduction •

PROGRAMMING
Python • LaTeX
C++ • IDL • DS9 •
• LabView •

RESEARCH

JET PROPULSION LABORATORY Summer Intern
May 2017 – Aug 2017 | Pasadena, CA
Worked with Karl Stapelfeldt to discover, read, and analyze over 1000+ journal articles to update an online circumstellar disk literature repository that showcases the breadth and current observational status of resolved circumstellar disks. (circumstellardisks.org)

IMAGING OF NEWLY-IDENTIFIED EDGE-ON PROTOPLANETARY DISKS Undergraduate Researcher
Jan 2014 – May 2017 | Berkeley, CA
Worked with Gaspard Duchene to study a number of HST-imaged edge-on protoplanetary disks, specifically extracting intensity profiles in Tau 042021 to examine unique features . Future work will involve radiative transfer modeling. Co-I on a Lick Observatory proposal in November 2016 to resolve additional disk candidates using the Shane 3m telescope. Poster at AAS 228.

NASA GODDARD SPACE FLIGHT CENTER Summer Intern
May 2015 – Aug 2015 | Greenbelt, MD
Worked with Dr. Tonia Venters to conduct a theoretical study of cosmic ray physics in star-forming galaxies. Created models that mapped the evolution of interstellar environments in the star-forming galaxy NGC 253, and compared predicted gamma ray emission to observational data from Fermi and NuSTAR.

THE LICK OBSERVATORY SUPERNOVA SEARCH Astronomer
Jan 2013 – May 2016 | Berkeley, CA
Remotely operated the Nickel 1m telescope at Lick Observatory twice a month to discover, track, and follow up on supernovae candidates selected by Alex Fillippenko. Each observing run requires the operator to remain awake from sunset to sunrise, fully operating the telescope, dome, and cameras. Student operators are trained by staff at Lick Observatory and must pass a thorough examination before being certified as a solo operator.

LEADERSHIP AND TEACHING

PEER LEADER | Native American Student Development Center
Jan 2013 – May 2016 | Berkeley, CA
Designed and led NASD's Pathways to Success program in its first years of implementation. Provided mentorship to a select cohort of incoming Native students through a series of weekly academic workshops, social events, and check ins, ultimately to foster a sense of community, support, and academic excellence for the Berkeley undergraduate Native community.

JOURNAL EDITOR | Berkeley Scientific Journal
Jan 2016 – May 2016 | Berkeley, CA
Reviewed and published undergraduate research submitted to the Berkeley Scientific Journal. Encouraged undergraduates to submit research, invited faculty to review submissions, and provided feedback to students authors.

INSTRUCTOR | Past, Present, Future of Space Exploration
Aug 2016 – Dec 2016 | Berkeley, CA
Taught a weekly semester-long interest course on the history of space exploration.

INSTRUCTOR | Python for Astronomers
Jan 2015 – May 2015 | Berkeley, CA
Co-taught a weekly semester-long introductory programming course in Python with applications to Astrophysics.