

Personal Information

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Date of Birth: 2.13.1984

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Education

BS in Astrophysics from the California Institute of Technology
Expected graduation date: June 2006

Computer Skills

Working knowledge of:

- Software: Mathematica, IRAF, Office
- Programming Languages: Python, Perl, Fortran 77
- Operating systems: Unix, Macintosh OS X, Windows
- Typesetting: LaTeX

Research Experience

Research position at Infrared Processing and Analysis Center (6/2005-present)

- Developing a pipeline to conduct precise differential photometry of crowded fields. Advisors: Dr. Gerard van Belle, Dr. David Ciardi

Summer Undergraduate Research Fellowships (through Caltech):

- Photometric Typing Analyses of Three Young Supernovae with the Robotic Palomar 60-Inch Telescope (2004). Advisors: Prof. Shri Kulkarni, Dr. Derek Fox, Dr. Avishay Gal-Yam
 - Peripall Speaking Competition Finalist
- Making a Panoramic Digital Image of the Entire Northern Sky (2003). Advisors: Prof. George Djorgovski, Dr. Ashish Mahabal

Bibliography

- Rajala, A., et al, 2005, PASP, 117, 132
- Rajala, A., Fox, D. B., Gal-Yam, A., Leonard, D. C., Moon, D.-S., & Cenko, S. B. 2004, BAAS, 36, 1464
- Rajala, A., Fox, D. B., & Gal-Yam, A. 2004a, IAU Circ., 8386, 4
- Rajala, A., Fox, D. B., & Gal-Yam, A. 2004b, ATel, 320
- Rajala, A., Fox, D. B., & Gal-Yam, A. 2004c, IAU Circ., 8387
- Unpublished research paper (available at www.its.caltech.edu/~anne2006/SURF2003.pdf)

Other Interests

Instrumental/Vocal Music

- Violin (14 years), piano (11 years), clarinet (9 years), vocals (7 years), oboe (5 years), guitar (2 years)
- Participation in orchestras, chamber ensembles, choirs and other vocal groups

Hiking

Semi-professional catering

References

- Dr. Gerard van Belle, (626) 395-1931, gerard@ipac.caltech.edu
- Prof. Derek B. Fox, (814) 863-4989, dfox@astro.psu.edu
- Prof. George Djorgovski, (626) 395-4415, george@astro.caltech.edu

Coursework

Relevant coursework as of summer 2005:

- Physics of Stars
- Writing in Astronomy
- Galaxies and Cosmology
- Physics of the Interstellar Medium
- Planetary Sciences/the Solar System
- Basic Astronomy and the Galaxy
- Topics in Classical Physics
- Quantum Mechanics
- Order of Magnitude Physics
- Complex Analysis/Differential Equations

Additional coursework expected before graduation:

- Astronomical Measurements and Instrumentation
- Relativity
- High-Energy Astrophysics
- Formation and Evolution of Planetary Systems
- Planetary Structure and Evolution