

DANIEL WYSOCKI

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EDUCATION

State University of New York at Oswego

Expected Date of Graduation:

B.S. in Physics

May, 2015

B.S. in Computer Science

Minor in Astronomy

Overall GPA: 3.05

RESEARCH EXPERIENCE

Department of Physics & Astrophysics, University of Delhi, India

Summer 2014

Advisors: Dr. Sukanta Deb, Dr. Shashi M. Kanbur, and Dr. H. P. Singh

Topic: Morphology of the Large and Small Magellanic Clouds using fundamental mode Cepheids

Physics Department, SUNY Oswego, NY, USA

August 2013 – June 2014

Advisor: Dr. Shashi M. Kanbur

Topic: Principal Component Analysis of Cepheid variable stars

Graduate Institute of Astronomy, National Central University, Taiwan

Summer 2012

Advisors: Dr. Chow-Choong Ngeow and Dr. Shashi M. Kanbur

Topic: Template fitting of first-overtone Cepheid variable stars

TALKS

Joint Meeting of NYSSAPS and ASNY, Oswego, NY, USA

April 26, 2014

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

Quest Global Lab, Oswego, NY, USA

April 9, 2014

Title: “The Precession of Mercury’s Perihelion”

Author: D. Wysocki

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

Rochester Symposium for Physics Students, Rochester, NY, USA

April 5, 2014

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

Science Day, Oswego, NY, USA

March 29, 2014

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

Syracuse Physics Undergraduate Research Day, Syracuse, NY, USA

November 9, 2013

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

Quest Global Lab, Oswego, NY, USA

April 17, 2013

Title: “Template Fitting of First Overtone Cepheid Variable Stars”

Authors: D. Wysocki, S. M. Kanbur, C. Ngeow

Quest McNair, Oswego, NY, USA

April 17, 2013

Title: “Galactic Morphology”

Authors: D. Wysocki, B. Barrett, T. Kane, S. M. Kanbur

POSTER PRESENTATIONS

American Astronomical Society meeting, Boston, MA, USA

June 3, 2014

Title: “Principal Component Analysis of Cepheid Variable Stars”

Authors: D. Wysocki, Z. Schrecengost, E. Bellinger, S. M. Kanbur, D. Sukanta, H. P. Singh

2012 Summer Student Research Poster Conference, Oswego, NY, USA

September, 2012

Title: “Light Curve Template for First-Overtone Cepheid Variable Stars”

Authors: D. Wysocki, C. Ngeow, S. M. Kanbur

WORK EXPERIENCE

Office of Learning Services

January 2012 – May 2012, January 2013 – present

Tutor

Oswego, NY

- Tutored introductory physics, math, computer science, and astronomy courses to undergraduates at SUNY Oswego

Dr. Scott Roby, Planetarium Director

June 2013 – July 2013

Development Assistant

Oswego, NY

- Worked as assistant to the Planetarium Director at SUNY Oswego to develop and design production, presentation, promotional, and logistical resources for the new planetarium opening in the fall of 2013.

TECHNICAL EXPERIENCE

Computer Languages

Python, Clojure, Bash, L^AT_EX, markdown

Tools

Linux, Emacs, git

CLUBS AND ORGANIZATIONS

American Physical Society, Member

2011 – present

Sigma Xi, Member

2014 – present

SUNY Oswego Astronomy Club, Member – President

2010 – present

SUNY Oswego Computer Science Association, Member

2013 – present

SUNY Oswego Physics Club, Member

2010 – 2012