

# DANIEL WYSOCKI

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## EDUCATION

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**State University of New York at Oswego**

B.S. in Physics

B.S. in Computer Science

Minor in Astronomy

Expected Date of Graduation:

May, 2015

## RESEARCH EXPERIENCE

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**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

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Title: “Morphology of the Large and Small Magellanic Clouds Using Fundamental Mode Cepheids”

Authors: D. Wysocki, S. Deb, S. M. Kanbur, H. P. Singh

**Rochester Academy of Science Annual Fall Scientific Paper Session**, Brockport, NY, USA

*November 15, 2014*

Title: “Principal Component Analysis of Cepheid Variable Stars”

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

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

*April 26, 2014*

**Quest Physics**, Oswego, NY, USA

*April 9, 2014*

**Rochester Symposium for Physics Students**, Rochester, NY, USA

*April 5, 2014*

**Science Day**, Oswego, NY, USA

*March 29, 2014*

**Syracuse Physics Undergraduate Research Day**, Syracuse, NY, USA

*November 9, 2013*

Title: “The Precession of Mercury’s Perihelion”

Authors: D. Wysocki, C. Ilie

**Quest Physics**, Oswego, NY, USA

*April 9, 2014*

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

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

**Quest Global Laboratory**, Oswego, NY, USA

*April 17, 2013*

Title: “Galactic Morphology”

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

**Quest McNair**, Oswego, NY, USA

*April 17, 2013*

## POSTER PRESENTATIONS

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**Summer Scholars Symposium**, Oswego, NY, USA

*September 5, 2014*

Title: “Morphology of the Large and Small Magellanic Clouds”

Authors: D. Wysocki, S. Deb, S. M. Kanbur, H. P. Singh

**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

**Summer Scholars Symposium**, 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

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**Office of Learning Services**

January 2012 – May 2012, January 2013 – present

*Tutor*

*Oswego, NY*

- Tutoring 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

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**Languages**

Python, Clojure, Common Lisp, Java, Bash, C, R, L<sup>A</sup>T<sub>E</sub>X, markdown, reST

**Tools**

Linux, Emacs, git

## CLUBS AND ORGANIZATIONS

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**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*