

# KENNY ROFFO

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State University of New York at Oswego

B.S. Physics, Mathematics, Computer Science, Honors Program, 3.68

expected *May 2017*

## RESEARCH & INTERNSHIP EXPERIENCE

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### NASA Jet Propulsion Laboratory

*Software Computing Systems Undergraduate Student IV*

September 2016 – present

Pasadena, CA, USA

**Advisors:** Diane Conner and Mark Johnston

**Topic:** Development of a web-based tool for scheduling maintenance activities on antennae of the Deep Space Network.

### [SAGE](#), Max-Planck Institute for Solar System Research

*Research Assistant*

Summer 2016

Goettingen, Germany

**Advisors:** Saskia Hekker, George Angelou, Earl Bellinger, Shashi M. Kanbur

**Topic:** An asteroseismic analysis of the red giant branch bump using MESA stellar evolution code and ADIPLS stellar pulsation code.

**Grant:** SUNY Oswego Challenge grant

### NASA Jet Propulsion Laboratory

*Summer Intern*

Summer 2015

Pasadena, CA, USA

**Advisors:** Diane Conner and Mark Johnston

**Topic:** Development of a web-based diff tool to greatly increase the speed at which software engineers at JPL could test new versions of a tool under development.

### Department of Physics & Astrophysics, University of Delhi

*Research Assistant*

Summer 2014

New Delhi, India

**Advisors:** Shashi M. Kanbur, H. P. Singh

**Topic:** Determination of metallicities of several RR Lyrae variable stars in the CSTAR data sets using Fourier Decomposition.

**Grant:** SUNY Oswego Challenge grant

## AWARDS

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**Sigma Xi / ORSP Quest 2015 Award**, SUNY Oswego

*2015*

**[Presidential Scholarship for Academic Achievement](#)**, SUNY Oswego

*2012-2016*

## ORGANIZATIONS

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**Omicron Delta Kappa National Leadership Honor Society**

*Inducted 2015*

**SUNY Oswego Math Club**, President

*2014 – Present*

**SUNY Oswego Astronomy Club**, Treasurer

*2013 – Present*

**Boy Scouts of America**, Eagle Scout

*1999 – 2012*

## TECHNICAL SKILLS

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**Programming Languages**

Java, JavaScript, Python, Bash, C/C++

**Markup Languages**

L<sup>A</sup>T<sub>E</sub>X, HTML, markdown

**Tools**

Linux, Git, Emacs