

KENNY ROFFO

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State University of New York at Oswego

B.S. Physics, Mathematics, Computer Science, Honors Program, 3.66

May 2017

PROFESSIONAL EXPERIENCE

NASA Jet Propulsion Laboratory

Software Engineer

June 2017 – Present

Pasadena, CA, USA

Notable Accomplishments:

[InSight Mars Lander Development and Operation of Surface Modeling Tools](#)

RESEARCH & INTERNSHIP EXPERIENCE

NASA Jet Propulsion Laboratory

Software Computing Systems Undergraduate Student IV

September 2016 – December 2016

Pasadena, CA, USA

Advisors: Diane Conner and Mark Johnston

Topic: Development of a web-based tool for scheduling maintenance activities for the DSN.

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 RGB bump using MESA and ADIPLS

NASA Jet Propulsion Laboratory

Summer Intern

Summer 2015

Pasadena, CA, USA

Advisors: Diane Conner and Mark Johnston

Topic: Development of a web-based tool to assist software engineers at JPL.

Department of Physics & Astrophysics, University of Delhi

Research Assistant

Summer 2014

New Delhi, India

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

Topic: Analysis of several RR Lyrae variable stars in the CSTAR data sets.

AWARDS

NASA Honors Award, NASA

September 28, 2020

To the InSight Mission Planning and Sequencing Team for developing maintaining and operating a robust Planning and Sequencing System in support of deployment HP3 recovery and science monitoring operations.

NASA Group Achievement Award, NASA

August 28, 2019

To the InSight Surface Activity Planning Development Team for design and implementation of the new Science Plan Integrator tool suite enabling tactical surface operations.

Successful completion of the Link Complexity and Maintenance Tool, NASA JPL

July 13, 2018

Development and Delivery of the Link Complexity Scheduling Tool, NASA JPL

Sept. 22, 2017

ORGANIZATIONS

Boy Scouts of America, Eagle Scout (2012), Unit Commissioner

1999 – Present

TECHNICAL SKILLS

**Programming
Tools**

Java, Python, C/C++, Javascript, HTML/CSS
Linux, Git, Emacs