KENNY ROFFO

kroffojr@gmail.com kennyroffo.com kroffo

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 June 2017 – Present
Software Engineer Pasadena, CA, USA

Notable Contributions:
- InSight Mars Lander Development and Operation of Surface Modeling Tools
- Ongoing development of the Aerie tool suite for mission planning (Open Source)

RESEARCH & INTERNSHIP EXPERIENCE

NASA Jet Propulsion Laboratory September 2016 – December 2016
Software Computing Systems Undergraduate Student IV 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 Summer 2016
Research Assistant 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 2015
Summer Intern 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 Summer 2014
Research Assistant 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*

TECHNICAL SKILLS

Languages	Java, Python, C/C++, Javascript, HTML/CSS
Tools	Git, PostgreSQL, Docker, Hasura, Emacs, IntelliJ, Jira