

LIA GIANFORTONE

CONTACT: lgianfor@ucsc.edu

RESEARCH INTERESTS

- Dynamical Systems
- Control Theory
- Optimization
- Uncertainty Propagation
- Reach Set Computation
- Collision Avoidance
- Cyberphysical Systems

EDUCATION

- JUNE 2018 Masters of Science in SCIENTIFIC COMPUTING AND APPLIED MATHEMATICS
UC Santa Cruz — Advisor: Abhishek HALDER
- AUGUST 2017 Bachelors of Science in APPLIED PHYSICS, **UC Santa Cruz**
Thesis: “Transonic Small Disturbance Flow Simulations over a 2-D
Symmetric Airfoil” — Advisor: Prof. Dongwook LEE
- AUGUST 2017 Bachelor of Arts in COMPUTER SCIENCE, **UC Santa Cruz**

HONORS AND AWARDS

- UCSC Dean’s Honors Recieved quarterly from Fall 2014 - June 2017
- Marilyn Stevens Award Awarded by the UCSC Physics Department
Recieved in both June 2016 and June 2017
“Award considers academic excellence, community service, service in and out
of UCSC, and any outstanding contribution made to the Physics Department”

SOCIETIES

- FOUNDER, PRESIDENT, UCSC Society of Physics Students April 2016 - June 2017
- MEMBER, UCSC Women in Science and Engineering September 2015 - Present
- MEMBER, UCSC Women in Physics September 2015 - June 2017

TEACHING EXPERIENCE

- APR '16 - JUN '17 | Undergraduate Tutor for LEARNING SUPPORT SERVICES,
UCSC
Tutored individual, small, and large groups of students for upper division physics
courses including Math Methods for Physicists and Electrodynamics.

COMPUTER SKILLS

Operating Systems: Linux, Unix, MacOS

Intermediate: C, Python, Java, Matlab, Git, Bash Scripting, L^AT_EX

Basic: C++, Fortran, Mathematica, JavaScript, HTML, MIPS Assembly