

Matthew Howard

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EDUCATION: Santa Monica College – Graduated June 2017
Received AA in Computer Programming, Liberal Arts, and History
GPA 3.9

Relevant Skills

- Data Structures/Algorithms
- Web Development with HTML5/CSS/JS (jQuery especially)
- Python – Flask and NumPy
- Proficiency with AWS resources
- Two VB.NET classes
- Relational Database Mgmt.
- REST API
- Public Speaking
- Comfortable with Git VCS
- Basic Linux system administration and shell scripting

WORK EXPERIENCE

- Software Engineering Intern – NASA’s Jet Propulsion Laboratory **June 2017 – October 2017**
 - Designed, constructed, and implemented a web interface for a shadow recognition program. Converted existing research code into functional and intuitive web application based on Flask and Boost.Python
 - Part of i2F program, Innovation to Flight, an exclusive and highly selective innovation and development group of interns
 - Collaborated directly with senior research scientists
- Student Tutor – Santa Monica College **June 2014 – February 2017**
 - Employee of my school tutoring fellow students in Chemistry, Math (up to Calculus 2), English, and eight different Computer Science classes
 - Conducted group tutoring sessions up to 10 people
 - Coordinated with program staff and professors to deliver highest quality of help to students

EXTRACURRICULAR ACTIVITIES:

- SMC STEM Club **September 2015-June 2016**
 - Officer and Social Media Director
 - Led meetings of up to 50 people, coordinated guest speakers, social events, and fundraisers
 - Built the club’s website from scratch

HONORS/AWARDS:

- Recipient of Santa Monica College Scholarships **June 2014 – June 2016**
 - Hilding and Carl Tegner Memorial Scholarship-awarded to outstanding incoming freshman
 - Edison STEM Scholarship – awarded to excellent students in STEM majors
 - Kiwanis Scholarship – awarded to high-achieving students who are also active in the community
 - Lawrence Flaws Memorial Scholarship – awarded to notable Computer Science Majors
- Participated in the CS Dept. Advisory Board Meeting **May 2015**
 - Selected to be the only student in attendance
 - Attended by the entire Computer Science Department Faculty and local CS professionals
 - Discussed better serving the Computer Science community in Santa Monica and offered suggestions from a student’s perspective that ended up being implemented

SIDE PROJECTS:

- Team Lead for checkers desktop game in Java, built with JavaFX
- Python program that leverages Google Calendar API to read a PDF and create corresponding events in my calendar
- Simple Android application that calculates tip for a restaurant bill written in Java