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**

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| * Data Structures/Algorithms * Web Development with ffffffHTML5/CSS/JS * 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