Matthew Howard

Los Angeles   github.com/poweredhoward   matthew.howard96@yahoo.com
310-310-0417   www.linkedin.com/in/matthew-howard310/

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

Tech Skills:

Languages & Frameworks: JS (jQuery, Node, Express), Python (Flask, NumPy), SQL, HTML5, CSS (Bootstrap), Java
CS Skills: Intermediate Data Structures and Algorithms, Relational Database Management, Linux Sys. Admin & Scripting
Other Skills: Proficient with AWS, very comfortable using & implementing REST APIs, Git

Other Skills:

Excellent collaborator, very quick learner, adaptable to any environment, confident public speaker, leadership experience

Projects:

- Rift: A classroom portal to connect a teacher with students in their classes. Worked as team lead for 4 people. Built with React, Node.js, Express, MongoDB. Instrumental in both front end and back end features. Link Here
- Web app that finds restaurant recommendations within a certain time radius based on transportation method. Leverages several Google APIs and Yelp API. Runs entirely on front end. Wrote all the program logic, DOM manipulation, jQuery, and mobile optimizing CSS.
- Full stack web app that lets friends plan activities. Wrote all back end code and led team of 4. Used Node, jQuery, Express, MySQL, Handlebars. Link Here
- Team Lead for checkers desktop game in Java, built with JavaFX

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. Started with a buggy Ubuntu desktop app that was very complicated to use, ended with a stable web application that anyone can use. 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 (12 selected out of over 800 Summer 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:

- Santa Monica College 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. Collaborated with school faculty to compile a list of helpful links for STEM majors

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