RICHARD CHEN

443-739-7875 | chenrich11@gmail.com | github.com/richchen11| chen-richard.com

EDUCATION

University of Maryland, College Park — Anticipated: Dec. 2020

B.S. Computer Science, B.S. Material Science and Engineering — Computer Science GPA: 3.53

Relevant Coursework | Intro to Object Oriented Programming I & II, Intro to Computer Systems, Discrete Structures, Digital Logic through Minecraft — Cumulative GPA: 3.34

In Progress | Algorithms, Organization of Programming Languages

SKILLS

Languages | Java (proficient), C (proficient), Ruby (familiar), OCaml (familiar), Javascript (familiar)

Programs/Tools | Eclipse, Visual Studio, Spring Tool Suite, DBeaver, Postman

WORK EXPERIENCE

Aeongo Technologies | Software Developer Intern — May 2019 – Aug 2019

- Led two other interns on the back-end development of a microservice that would support an early childhood development product. Microservice was developed with the Spring Framework and a PostgreSQL database.
- Created RESTful APIs to expose microservice for our front-end developers. API testing was performed with Swagger and Postman.
- Integrated automated UI testing on our React Native Android application using Appium framework.

Polymer Processing Laboratory | Undergraduate Researcher — June 2017 – Feb 2018

- Investigated and led the design for the implementation of resonant acoustic mixing (RAM) to improve the formation of polymer-based explosive binders.
- Collaborated within a core 7-member lab group, lab groups in Department of Chemical Engineering, and the Naval Surface Warfare Center (NSWC).

PROJECTS

Personal Website | chen-richard.com — Winter 2018

- Created React components with Gatsby, a static website generator, for React JS to create the necessary HTML and CSS files.
- Deployed using Netlify, to allow continuous integration and continuous deployment(CI/CD) whenever changes are pushed to a central Git repository.

CMSC216: Intro to Computer Systems | Projects — Fall 2018

- Created a functional shell terminal that supports piping, forking, input and output redirection of programs and Unix commands (in C).
- Underlying data structure was implemented with a binary tree

LEADERSHIP EXPERIENCE

Chinese Student Association | President — Sept. 2015 – April 2018

- Lead a 16-member executive board to execute large scale public events that attracted upwards of 400 attendees.
- Networked and actively built bridges with other student organizations inside and outside of the Asian American community.
- Assisted in securing a sponsorship deal with University View Inc. worth $3000 over one year.