

EDUCATION

Dwight-Englewood School 2015
High School Diploma
Johns Hopkins University 2019
B.S. Computer Science
GPA: 3.4/4.0

Languages

Python Java C/C++
HTML5 CSS3 JS
NodeJS

Tools

ReactJS Redux Django
MeteorJS MongoDB Flask
Spring SQL AWS
Docker Spark ES6

RELEVANT COURSEWORK

601.320	Parallel Programming	601.421	Object Oriented Software Engineering
601.365	Knowledge Discovery From Text	601.433	Algorithms
601.414	Computer Networks		

EXPERIENCE

Software Engineer, **Corrie Health**, Baltimore, MD Oct 2017 - Present

- Build and maintain a ReactJS web interface that aggregates and monitors heart attack metrics for clinicians for better heart attack recovery
- Create descriptive service layer endpoints to expose Flask/CouchDB data to React frontend

Co-Director & Organizer, **HopHacks**, Baltimore, MD Jun 2016 - Present

- Organizer for HopHacks, the bi-annual 36 hour hackathon at Johns Hopkins University
- Maintain hackathon registration system written in Meteor and ReactJS
- Lead meetings and plan deadlines for logistics, transportation, social media, registration, and website teams

Summer Technology Analyst, **JP Morgan Chase**, New York, NY Summer 2018

- Contributed with a team of seven software engineers within Asset Management QA
- Created a test results website that ingressed data from Jenkins, Gemfire, and legacy GUI to visualize regressions and test comparison diffs
- Built REST API using Spring Boot and web interface using ReactJS

Software Engineering Intern, **JHU Applied Physics Laboratory**, Laurel, MD Summer 2017

- Worked with the ESSENCE team under Health Systems Engineering group to draw thresholds within their public health event timeseries product (using Java Servlets, JSP, Tomcat)
- Regularly interfaced with government clients to discuss business goals

Technical Intern, **GeoSure Global**, New York, NY Summer 2016

- Automated a data gathering procedure using Python and Amazon EC2
- Wrote a Python package to cluster public stream data into geopolitical activity centers
- Deployed a Python Django app that divided city bounds into neighborhoods

PROJECTS & AWARDS

Open Source Contributor, **Semester.ly** Spring 2018

- Worked with a team of four to create a feature that added course schedules from Semester.ly web app to Johns Hopkins University course registration cart
- Wrote Django REST endpoints and build React components for an advisor dashboard where advisors could comment and suggest changes to student course schedules
- Deployed a production nginx/gunicorn server to run advisor portal beta testing

Co-Founder & Tech Lead of Tearn, **Ralph S. O'Connor Grant** Dec 2016 - Oct 2017

- Received an award of \$10,000 from Johns Hopkins Technology Ventures to create a peer to peer mentoring service leveraging informal help from CAs, TAs, and expert students
- Organized technical deadlines among mobile and web teams

Sprout, HopHacks Fall 2015 - **Bloomberg Sponsor Winner** Sept 2015

- Worked with a team to create an iOS app that optimized health clinic locations
- Contributed to scoring algorithm by writing optimal distance algorithm