

## EDUCATION

Johns Hopkins University 2019  
B.S. Computer Science  
Minors in Entrepreneurship & Management  
and Computational Medicine  
GPA: 3.61/4.00 Dean's List

## ADDRESS

**School:**  
3301 N. Charles St  
Charles Commons #5086  
Baltimore, MD 21218

**Home:**  
512 Summit St  
Englewood Cliffs, NJ  
07632

## RELEVANT COURSEWORK

550.171 Discrete Mathematics  
550.211 Probability and Statistics  
600.107 Introductory Programming in Java  
600.120 Intermediate Programming (C/C++)  
600.226 Data Structures  
600.271 Automata & Computation Theory

## SKILLS & TOOLS

Python Django Pandas  
Java C/C++ JUnit  
HTML5 CSS3 JS  
Photoshop Illustrator Tableau

## WORK EXPERIENCE

Technical Intern, GeoSure Global LLC, New York, NY June 2016 - Aug 2016

- Automated a data gathering procedure by using Python, Amazon EC2 instances, and scheduled tasks
- Wrote a Python package to cluster Twitter stream data into geopolitical activity centers
- Labelled 10,000 highly concentrated activity points into neighborhoods by geocoding
- Wrote unit tests to ensure robust code
- Assisted the CEO with administrative tasks and technical application writing

Founder, Mantis Customs LLC, Englewood Cliffs, NJ July 2013 - Present

- Founded a custom phone case merchandising business.
- Managed a team, designed custom products for smart phones, negotiated with vendors, and promoted the products to organizations.
- Donated merchandise to charitable causes such as AIDS awareness and commemorative school events.
- Provided merchandise as a sponsor to a local hackathon (hackBCA) March 2015.
- Worked with both local and international clients.

## COMMUNITY

Student Worker, JHU Alumni Association, Baltimore, MD Sep 2016 - Present

- Campus job at Johns Hopkins University Alumni Association
- Coordinate administrative office work and fundraising in preparation of annual Alumni Reunion event
- Write technical scripts to optimize man hours needed for manual tasks

Hackathon Organizer, HopHacks, Baltimore, MD June 2016 - Present

- Regularly updating hackathon registration system written in MeteorJS, HTML, and CSS
- Helping scale event size by creating a new sponsor sheet, prospectus, and reward tiers
- Acting as judge sponsor liaison by being primary point-of-contact for 36 hour event

Co-founder and Technology Officer, TCO Labs, Inc. Baltimore, MD Oct 2015 - Present

- Co-founded an entrepreneurial non-profit resource at Johns Hopkins University
- Conduct meetings to sketch project ideas and plan events
- Organized partnerships with similar organizations advance entrepreneurship ecosystem
- Planning a tech conference for Spring 2017 to connect students, startups, and entrepreneurs
- Regularly update website using HTML, CSS, JS

## PROJECTS

City Partitioning Tool, GeoSure Global, New York, NY Aug 2016

- Wrote and deployed a Python Django app that divided city bounds into neighborhoods
- Designed website with HTML5 and CSS3
- Automated a 4-person manual partitioning project that resulted in improved productivity

Sprout, HopHacks Fall 2015 - Bloomberg Sponsor Winner, Baltimore, MD Sept 2015

- Worked with a team to create an iOS app that optimized health clinic locations based on distance, population and growth of nearby cities
- Created a database of villages in Sierra Leone and India by Python web scraping
- Co-wrote optimal distance algorithm between villages, which contributed to a scoring algorithm that encompassed all variables
- Designed logo and icon with Adobe Illustrator

Senior High School Student, Dwight-Englewood School, Englewood, NJ Sept 2014 - May 2015

- Researched big data, predictive analytics for application in college admissions decision-making.
- Wrote final paper to summarize research results and demonstrate a practical implementation.
- Used Python and natural language processing (NLP) to mine and analyze public and institutional data.
- Created data visualizations with Tableau.
- Made a formal capstone presentation to a panel of experts consisting of a software business owner, Facebook AI Researcher, and a program faculty.