

## EDUCATION

Johns Hopkins University 2019  
B.S. Computer Science  
  
Minor in Entrepreneurship & Management

## ADDRESS

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

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

## COURSEWORK

550.171 Discrete Mathematics  
550.211 Probability and Statistics  
110.202 Calculus III  
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	Git	Linux
Java	C/C++	JUnit	AWS
HTML5	CSS3	JS	Node
Photoshop	Illustrator	Tableau	

## EXPERIENCE

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

- Paid summer internship and current part-time work
- 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

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

- Organizer for HopHacks, the bi-annual 36 hour hackathon at Johns Hopkins University
- Regularly updating hackathon registration system written in **MeteorJS**, **HTML**, and **CSS**
- Interviewed new group members for the website team
- Acting as judge and sponsor liaison by being primary point-of-contact for 36 hour event

Student Employee, JHU Alumni Association, Baltimore, MD Sep 2016 - Jan 2017

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

## 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** components and **CSS3** transitions
- Automated a 4-person manual partitioning project that resulted in improved productivity
- Gained experience with application deployment and good web development practices

Final Team Project, Intermediate Programming, Baltimore, MD May 2016

- Recreated board games Checkers and Battleship in **C++** using STL and standard OOP
- Heavy use of **git** version control to minimize code collisions with other members and ensure up-to-date code
- Utilized **gdb** and **valgrind** to debug memory allocation and pointers
- Implemented and ran unit tests
- Gained experience in agile development over the course of 3 weeks

Path Hero, HopHacks Spring 2016, Baltimore, MD Feb 2016

- Led feature development of an **Android** app that planned the fastest walking route through classrooms
- Parsed JSON data from JHU Courses API and Google Maps API
- Continued app development with 2 team members in **Python Django** after hackathon event

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 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

## LEADERSHIP

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

- Co-founded an entrepreneurial non-profit resource at Johns Hopkins University
- Planning a tech conference for Spring 2017 to connect students, startups, and entrepreneurs
- Regularly update website using **HTML**, **CSS**
- Initialized a plan to optimize SEO and increase page ranking for website

Founder, Mantis Customs LLC, Englewood Cliffs, NJ July 2013 - Jan 2017

- Founded a custom phone case merchandising business
- Managed a team, designed custom products for smart phones, negotiated with vendors, and promoted products to organizations
- Distributed custom retail products to local and international clients.