

## EDUCATION

Johns Hopkins University 2019  
B.S. Computer Science  
  
GPA: 3.61/4.00 Dean's List

## 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 (Java)  
600.271 Automata & Computation Theory

## SKILLS & TOOLS

Python	Django	Git	Linux
Java	C/C++	JUnit	AWS
HTML5	CSS3	JS	
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

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

Hackathon Organizer, HopHacks, Baltimore, MD June 2016 - Present  
-- Regularly updating hackathon registration system written in **MeteorJS**, **HTML**, and **CSS**  
-- Initialized rebranding by creating a new sponsor prospectus and reward tiers  
-- Acting as judge and sponsor liaison by being primary point-of-contact for 36 hour 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 testing  
-- 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**, **JS**

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 products to organizations  
-- Distributed custom retail products to local and international clients.