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Andrew Wong

andrewwong97

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

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

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 Assocation
-- 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 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 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 development of app in 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.