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1875 Arriba Dr.
Monterey Park, CA 91754

MITCHELL LEE

LANGUAGES

Basic - C, C++, C#, Amazon Web Services

Intermediate - Linux, Unix, Node.js, Firebase API's

Advanced - Python, Javascript

EDUCATION

Purdue University

B.S. Computer Information Technology

Specialization - Cybersecurity

GPA - 3.01

Expected Graduation Date - May 2019

General Assembly Trade School

Certificate - Front End Web Development

May 2015

Coding Dojo Trade School

Certificate - Full Stack Web Development

August 2016

Stanford University / Coursera Online Learning

Certificate - Machine Learning

August 2018

EMPLOYMENT

Lowe's Corporate, North Carolina — Web Development Intern

May 2017 - August 2017

Developed a GUI application to test an internal company API. The application allowed users to input query parameters in plain text and returned the formatted JSON response. Unit tested with Lab.js

- Handlebars.js
- Node.js
- HTML
- CSS
- Lab.js

IN3/3iD, Indiana — *Student Developer*

November 2016 - May 2018

Was responsible for various programming tasks including: Updating client websites, writing python scripts for data collection / data cleaning as well as writing a cloud based database and user management application deployed on Firebase.

- Firebase
- Node.js
- HTML
- CSS
- Python

Major League Hacking, International — *Coach*

November 2017 - May 2018

Traveled around North America to help host hackathons. Responsibilities included packing and unpacking sponsor material, conducting company events, engaging with participants and supporting local staff.

PROJECTS

International Aerial Robotics AAE490 - *Member*

I worked on a robotics team that built an autonomous quadcopter to herd ground robots. This project was part of an independent study AAE490 class which I received college credit for. I worked on the target tracking systems. I refactored and tuned our Computer Vision application for detecting ground robots in C++ as well as wrote a 52 dimensional Unscented Kalman Filter in Matlab to predict ground robot positions.

- Matlab
- C++
- Robot Operating System

CNIT 315 class project - *Project Lead*

January 2018 - May 2018

I built a command line program that ran Conway's Game of Life. The application started with random starting positions retrieved from a Random Number Generator API. This project was built as part of a group project in my CNIT 315 class. I was team leader and wrote the majority of the code.

- C

Parent Lock, *M Hacks*, University of Michigan Ann Arbor - *MEAN Developer*

2016

Developed a full MEAN (Mongo DB, Express.js, Angular.js, Node.js) application to run on an experimental GM car dashboard. The app was supposed to allow parents to manage where their child drove their car. Built as a hackathon project with other team members for M Hacks. Although I completed my part, the overall project was not completed.

- Javascript
- HTML
- CSS
- Node.js

Delta Skymiles, *Hack GT*, Georgia Tech - *Backend Developer*

2016

Developed a web application using Python flask and SQL Lite. The app used the Delta Airline API and Lyft API to allow the Delta Airline flyers to spend their points on Lyft rides. I wrote the back end server side code to communicate with the database as well as wrote the middleware to communicate with the server and API's. This was a hackathon project built with other team members at HackGT. Due to difficulties working with the Lyft API, some of the core functionality of the app was left unfinished.

- Python Flask
- SQL lite
- OAuth 2

Subletr, *Big Red Hacks*, Cornell University - *Team Lead*

2016

Built a website that helped people find roommates for subleasing. The app was programmed using the MEAN (Mongo DB, Express.js, Angular.js, Node.js) stack. I acted as the team leader since none of my team had ever worked with MEAN applications before and most were beginner programmers. I wrote the back end server side code, database functions as well as some of the front end controller code. This was a hackathon project built with other team members at Big Red Hacks.

- Node.js
- Amazon Web Services

Wolfram Challenge 3rd Place, *M Hacks*, University of Michigan Ann Arbor (won 3rd Place)- *Front End Developer*

2015

Helped build a web app that ranked job listings based on public sentiment of the employer. I built a responsive minimalist front end for the site listings using Bootstrap. This project was a hackathon project built with other team members at M Hacks. This project won 3rd place in the Wolfram Challenge

- Jade
- HTML
- CSS

- Bootstrap
- Jquery

Gap Tech Challenge 1st Place, *LA Hacks*, University of California Los Angeles (won 1st Place) - *Front End Developer*

2015

Helped build a web app that tracked posts with certain hashtags on Instagram. This tool was built to help Gap facilitate and track their social media competitions. I built a responsive front end for the site using Bootstrap. This site acted as an employee dashboard that displayed all Instagram posts with a specific hashtag so employees can rank the posts. This project was a hackathon project built with other team members at LA Hacks. This project won 1st place in the Gap Tech Challenge.

- HTML
- CSS
- Bootstrap

INVOLVEMENT

Purdue Autonomous Robots Club -

President **2016 - 2017**

Vice President **2017 - present**

The Purdue Autonomous Robots Club builds autonomous robotic systems. As president, I successfully secured a work space, funding and other critical resources for our club. I also worked on various technical tasks on our projects like designing servo brackets in CAD. Some of those tasks are listed in the Project section.

-REFERENCES AVAILABLE UPON REQUEST-

See more at: http://mnsupreme.github.io