Mitchell Lee

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mnsupreme Mitchell Lee

Primary Education

Purdue University

Graduating: May 2019

Major: Computer Information Technology

Concentration: Cyber Security

GPA: 3.09

Skills

*skill level (1-10)

- Responsive Web Design (CSS, HTML, Bootsrap, Javscript, Jquery) - **9**
- Ruby - **1**
- Python - **6.5**
- Flask - **7**
- MEAN stack (Mongo DB, Express JS, Angular JS, Node JS) - **8**
- C# - **3**
- SQL/SQL workbench - **4**
- Hapi.js - **4**
- Handlebars - **3**

Other Education

Vocational Certificate:
Front End Web Development (2015)
General Assembly

Vocational Certificate:
Full stack Web Development (2016)
Coding Dojo

Current Involvement

Purdue Association of Unmanned Vehicle Systems International: President 2016-2017, Vice President 2017- present

Our club seeks to equip our members with the skills and experience needed to find jobs in the field of unmanned systems. Since joining, I have been able to secure spaces on the school's supercomputers, access to advanced 3d printers, a workspace, as well as six thousand dollars of funding for our club

Purdue Hackers: Member

Helps students improve their coding skills through the use of Hackathons and workshops

Major League Hacking: Coach

I travel to various coding competitions partnered with my company to make sure they run smoothly. I also spread brand awareness about my companies and our sponsors.

Portfolio

Internship Summer 2017 **Lowes**

- Web Development Intern for Lowes
- Created a front end interface to test their store finder api
- wrote unit tests to test my application
- Used node, Hapi.js, Handlebars and Lowe's in house CSS framework

Student Developer 2016-present **IN3/3iD technologies**

- Company creates websites and apps for the univesity and private clients
- Help write back end code for websites in php
- Create front end code for websites
- Created python script to get location images off google maps

Artificial Intelligence Learning Repository **Repository**

- Repository of coding exercises going over basic Machine Learning concepts (gradient descent, perceptron, backpropagation etc.)
- Coding problems are from Andrew Ng's Machine Learning Class on Coursera as well as other assorted sources
- written in python as well as javascript
- Will continue to add more as I further my learning

Gap Tech Challenge First prize **LA Hacks 2015**

- Created a tool for a "who wore it better" contest to engage Gap's customers
- Our app scraped Instagram's API for specific hashtags relating to the contest
- I wrote a bootstrap employee console which embedded all the related posts on instagram with the hashtag
- Official name of the project is GapWWIB

Wolfram Challenge 3rd Place **M Hacks Fall 2015**

- Our app ranked jobs based on public sentiment of employers
- Written in Mathematica, Node.js and Jade
- Used a jobs posting website's API to get a list of employers and job postings
- Thousands of news articles were ran through our sentiment analysis script and employers were given an aggregate sentiment score.
- I wrote a responsive front end using Jade and CSS flexbox
- Official name fot this project is FluxDuck

Subletr **Big Red Hacks Fall 2016**

- App that helped people find subletting offers near their location
- Written in Angular, Node.js and MongoDB
- half of my team had never coded before
- Wrote most of the angular functions. Wrote half of the node server, deployed on Amazon EC2 as well as assisted new team members

Delta Skymile Services **Hack Georgia Tech Fall 2016**

- Allowed Delta customers to spend their skymiles on Lyft rides
- Used Delta API, Lyft API, Google Geocoding api, SQLite and flask
- Did most of the backend except for the database. Handled all the API's

ParentLock **MHacks Fall 2016**

- App that notified parents whenever their child's car drove out of a set perimeter
- Used GM API, GM SDK, angular, node, express, Swift 2 and MongoDB
- Did the angular front end for the car side web app. Configured it for a car dashboard

Relevant Course Work

CNIT 370 **Introduction to Cryptography**

- Goes over on a high level how past (MD5, Double DES etc.) and current (RSA, Elliptic Curve, etc.) cyrptography schemes work.
- Discusses the strengths and weaknesses of each of the cryptography schemes as well as when to appropriately apply each one.
- Using a GUI cryptography tool, we will combine different cryptographic systems to create secure information transfer protocols for a variety of use cases

CNIT 340 **Unix Fundamentals**

- Overviews the structure of Unix and Linux environments as well as how they work. Teaches us how to run core functions via the command line terminal. Teaches us how to script within the bash terminal.

CNIT 270 **Introduction to Cybersecurity**

- Overview of the field of Cybersecurity.
- Goes over on a high level common cyber security practices, tools, attacks and concerns.
- We also practiced exploiting practice environments using common cyber attacks such as SQL injection and Shell Shock attacks

CNIT 272 **Database Fundamentals**

- Taught us the fundmanetal principles of relational databases. Learned how to create, update and query Oracle databases

CNIT 242 **System Administration**

- Overviewed the basics of setting up and maintaining a computer network in an enterprise Windows environemnt.
- In lab, we set up a small LAN of virtualised computer clients and servers.
- Configured system to handle roaming profiles, network printing and automatic OS upates

CNIT 255 **C# Object Oriented Programming**

- Learned the basics of programming in C#. Learned the core concepts of Object Oriented Programming.
- Programmed several small GUI applications in lab.

STAT 301 **Elementary Statistical Method**

- Taught us various statistical methods to be used to analyze data.
- These methods include chi-squared, co-variance and regression.