Mitchell Lee

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mnsupreme Mitchell Lee

Primary Education

Purdue University

Graduating May 2019

Computer Information Technology

GPA - 3.17

Other Education

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

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

Skills

Responsive Web Design (CSS, HTML, Bootsrap, Javscript, Jquery)

Ruby

Python

MEAN stack (Mongo DB, Express JS, Angular JS, Node JS)

Current Involvement

Purdue Association of Unmanned Vehicle Systems International: President

Our club seeks to equip our members with the skills and experience needed to find jobs in the field of unmanned systems. Since joining the club last year, 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

International Aerial Robotics Team: Member

A sub-team of Purdue AUVSI. We are tasked with building an autonomous drone to herd ground robots. It mainly uses computer vision for tracking and localization. I am assigned to the robot arm team and artificial intelligence team

Purdue Hackers: Member

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

Relevant Coursework

CNIT 180: Introduction to Systems Development

- Discussed different software development techniques and lifecycles
- Taught UML for I.T. systems documentation
- Learned how to use Microsoft Access for managing small databases

CNIT 176: Information Technology Architectures

- Discussed common protocols and standards that computers utilize
- Discussed the different subsystems that make up a computer and computer network

CNIT 155: Introduction to Software Development Concepts

- Taught us introductory coding concepts in c#
- Programmed GUI interfaces to complete simple tasks

CNIT 255: Object Oriented Programming

- Currently taking
- Discusses fundamentals of Object Oriented Programming in c#

Projects

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
- Understanding what Gap truly wanted is what put us over our competitors

Wolfram Challenge 3rd Place **M Hacks Fall 2016**

- Our app ranked jobs based on public sentiment of employers
- Used a jobs posting website's API to get a list of employers and job postings
- Thousands of 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
- Written in Mathematica, Node.js and Jade

Electromagnetic Hallbach Array **International Aerial Robotics**

- Designed an proprietary electromagnet to be mounted on a quadcopter to trigger ground robots
- Electromagnet channeled most of the magnetic field away from the quadcopter so as not to damage onboard sensors
- used Finite Element Magnetics software to create simulation
- Was able to calculate estimate power requirements and number of coils needed for idea to work