

# Mitchell Lee

</> <http://mnsupreme.github.io>

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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, Bootstrap, Javascript, 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 lifecycle
- Trained us in UML for I.T. system 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 how 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 Employer
- 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