

OBJECTIVE

Programmer seeking Summer 2016 internship with an interest in app development, security, task automation, machine learning, intelligent systems, and data visualization.

EDUCATION

University of Michigan

April 2019

B.S.E in Computer Science & Engineering

Overall GPA: 4.0/4.0

EXPERIENCE

Solidware, Inc

July 2015 - August 2015

Software Engineering Intern

Seoul, South Korea

- Programmed SolidStudio, a SaaS machine learning solution for financial institutions
- Ported MATLAB code to in-house MapReduce model C++ code for faster performance
- Optimized code to run under strict streaming-memory restrictions, even with multi-terabyte sized data
- Developed software was deployed to a major multinational insurance firm and top loan firms in Korea

Popcorn5, Inc

June 2014 - July 2014

Frontend Programmer

Seoul, South Korea

- Programmed a SaaS building management solution using AngularJS
- Implemented unit-testing and test-driven methodologies to be used in future projects
- Worked closely with design team as the product was built from scratch

ACTIVITIES

Michigan Autonomous Aerial Vehicles

September 2015 - Current

- Program computer vision modules for the drone to detect and locate targets

Michigan Student Artificial Intelligence Lab

September 2015 - Current

- Learn various machine learning algorithms and apply them to Kaggle datasets

Michigan Hackers

September 2015 - Current

- Promote hackathons at University of Michigan, plan logistic details for attending hackathons

PROJECTS

A2Yum	Genetic algorithm solver that searches a route to visit all restaurants in Ann Arbor
CalOpt	Dynamic programming algorithm scheduler that finds maximum calorie-per-dollar menu
Pigeon	Parrot drone that follows user using OpenCV's histogram of gradient objects image classifier
Lemoneda	Yik-Yak clone developed in Django and AngularJS

Demos, source code and more projects are available on ijlee.me

HACKATHONS

MHacks 6	Worked on BioAuth, biometric password manager. Awarded Best Security Hack.
MHacks 2013	Worked on Leap Motion controller for 2D games. Awarded Top 10 Finalist Hack.

TECHNICAL STRENGTHS

Strong fluency	C++, Javascript, Python, CSS
Experience with	Java, Bash
Libraries	Django, AngularJS, Handlebars, OpenCV, Boost, Nginx, Gulp, Jenkins
Tools	Git, Vim, Linux, Inkscape, LaTeX
Miscellaneous	Quickly prototype graphics resources, Fluent in Korean