

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 & visualization solution for financial institutions
- Ported MATLAB code to C++ code following in-house MapReduce processing model 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 Programming Intern

Seoul, South Korea

- Programmed CheckUp, a SaaS building management & inspection 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, MATLAB

Libraries Django, AngularJS, Handlebars, OpenCV, Boost, Nginx, Gulp, Jenkins

Tools Git, Vim, Linux, Inkscape, LaTeX

Miscellaneous Able to quickly prototype graphics resources, Fluent in Korean