

OBJECTIVE

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

EDUCATION

University of Michigan

B.S. in Computer Science & Engineering

Overall GPA: 4.0

April 2019

EXPERIENCE

Solidware, Inc

Software Engineering Intern

July 2015 - August 2015

Seoul, South Korea

- Programmed SolidStudio, a SaaS machine learning solution for financial institutions
- Ported MATLAB machine learning and statistics code to C++ for faster performance, working with an in-house MapReduce model
- Responsibilities included making sure the software runs under strict memory restrictions (streaming algorithms), as the software dealt with multi-terabytes worth of data
- Developed software were deployed to major insurance and loan firms

Popcorn5, Inc

Frontend Programmer

June 2014 - July 2014

Seoul, South Korea

- Programmed a SaaS building management solution using AngularJS
- Implemented unit-testing and test-driven methodologies to be used in future projects

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, CSS, Bash

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

Tools Git, Vim, Emacs