

Il Jae Lee

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OBJECTIVE

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

EDUCATION

University of Michigan

April 2019

B.S. 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

Tools Git, Vim, Emacs