

## OBJECTIVE

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

## EDUCATION

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**University of Michigan**  
B.S. in Computer Science & Engineering  
Overall GPA: 4.0

*April 2019*

## EXPERIENCE

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**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

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**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

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**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](http://ijlee.me)*

## HACKATHONS

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**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

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**Strong fluency** C++, Javascript, Python, CSS  
**Experience with** Java, CSS, Bash  
**Libraries** Django, AngularJS, Handlebars, OpenCV, Boost, Nginx  
**Tools** Git, Vim, Emacs