

Sangheon Ethan Lee

leesnap@umich.edu | 248.550.1775

1780 Broadway Street, Apt 313, Ann Arbor, Michigan 48105 | U.S. Citizen

ethlee.tk | github.com/shlee2017

Education:

University of Michigan,
Ann Arbor

College of Engineering
GPA: 3.31/4.00

Graduation Date:
May 2021

Major:
Computer Science
Minor:
Entrepreneurship

Technical Skills:

C++ – Proficient
Python – Proficient
Swift – Experienced
Java – Experienced
HTML – Experienced
CSS – Basic
JavaScript – Basic

Relevant Courses:

Data Structures and
Algorithms
Intro to Computer Security
Entrepreneur Creativity
Intro to Computer
Organization
Programing Concepts, C++
& Python
Applied Linear Algebra

Language:

Korean – Native
Japanese – Elementary
Spanish – Elementary

Projects

Diet Meal Planner App

Swift

Co-Founder

December 2018 – Present

- Developing app that helps users organize what food to consume for their daily diet based on macros
- Programming and testing different optimization algorithms for main function to produce most efficient meal plan
- Collecting nutrition facts of healthy foods commonly seen on diets to construct nourishing meal plans

Recycling at the Big House

C++

Lead Coder

December 2018

- Designed program using the simplex method to help Big House optimally reduce waste at football games
- Collected data on trash at games to estimate amount of waste and analyzed waste reducing methods to organize necessary programs

Reddit Censor Bot

Python

Lead Coder

November 2017 – December 2017

- Created AI Reddit bot, u/CommentCensorBot, that censors explicit words on Reddit post when called
- Re-engineered nGram models that utilized unigram, bigrams, and trigrams to replace extracted words maintaining sentence flow

Experience

Umich Taekwondo Demo Team

Ann Arbor, MI

Dance Portion Leader

September 2017 – Present

- Perform modern and traditional Taekwondo to showcase Korean culture
- Coordinate 2-3 times weekly to plan and practice choreography

Saejong Society of Detroit

Franklin, MI

Taekwondo Class Teacher/ Teacher Assistant

September 2013 – June 2018

- Directed martial art performances in annual culture festivals to showcase what Taekwondo is and what students have learned over year
- Volunteered 5 hours/week, 25 weeks/year to teach Taekwondo to elementary school students

Club/Organization

University of Michigan Taekwondo Club

Ann Arbor, MI

White Belt Form Instructor

September 2017 – Present

- Teaching basic Taekwondo stands and techniques to inexperienced members of the club
- Competing in college wide tournaments to represent club and university