

# ANDREW KIM

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📍 Canton, MI

## EDUCATION

University of Michigan, Ann Arbor, MI

Graduating: April 2021

GPA: 3.619 / 4.000

School of Literature, Science, and the Arts

Major: Bachelor of Science in Computer Science - Minor: Music

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Foundations of Computer Science

Abroad: Yonsei Summer Program in South Korea - Independently traveled and experienced a new academic environment

Summer 2018

## PROJECTS

### SILLY QUERY LANGUAGE

Fall 2018

- Created a relational database using structs and maps to quickly edit, insert, update, and modify data in C++
- Implemented a custom structured query language that allows for data manipulation such as joining existing data through the use of hash tables and binary search trees

### PLOPPER - for Michigan Hackers 2018

Fall 2018 - Present

- Designed a crowd-sourced review forum that allows users to intuitively rate and review nearby bathrooms
- Worked with Google Maps API, Javascript, and HTML/CSS to make a website that shows user's current location

### PORTFOLIO WEBSITE

Summer 2018 - Present

- Constructing a personal portfolio that showcases personal projects as well as other interdisciplinary interests.
- Currently updating through HTML and CSS to practice front-end programming

### BUDGETING SHEET

Summer 2018

- Developed a user-friendly budgeting sheet that allows easy logging and interpreting of short term spending habits
- Utilized Python dictionaries and file writing/editing to efficiently access and edit spending information

### !TIERBOT - for Super Smash Bros. Subreddit

Spring 2018

- Applied the Reddit API in Python to create a Reddit bot that responds to the user comment "!Tierbot"
- Created a feature that allows users to quickly look up the latest character tierlist for any Super Smash Bros. iteration
- Honed Python coding ability and familiarized the use of APIs

### MACHINE LEARNING

Spring 2018

- Coded a program that identifies the subject of posts from an online forum by using machine learning basics
- Employed binary trees, templates, and map data structures in C++ to write a program that learns from previous posts to identify and categorize new posts

## TECHNICAL

Proficient: C++, Adobe Illustrator

Familiar With: Python, HTML, CSS, Javascript, Java, R Commander

Other: FL Studio, Video Editing Softwares, Fluent in Korean

## ACTIVITIES

### The Project/Daebak 3

Fall 2017 - Present

Collaborate with internal team and cross-campus groups for dance performances and designed brand/apparel

### Seoul Juice

Fall 2017 - Present

Coordinate events and produce guitar sets for live acoustic band group

### Audio Engineering Society

Fall 2017 - Present

Compete in live mixing sessions and music producing contests

### President of Compassion International

Fall 2015 - Summer 2017

Managed and led group fundraising events that went towards supporting impoverished children in Ghana