

EDUCATION

University of Michigan

Ann Arbor, MI : 09/2016 ~ Present {

- > Expected Graduation Date: 05/2022
- > BS in Computer Science
- > Ross Minor in Business Administration
- > GPA: 3.33 / 4.00

}

SKILLS

Programming Languages & Tools {

Proficient :

C++ • Java • HTML • CSS • Python3

Familiar :

Javascript • React.js • TypeScript •
SQL • Oracle • PostgreSQL • MongoDB
PyTorch • pandas • scikit-learn

}

Soft Skills {

English (Fluent) • Korean (Fluent) •
French (Beginner) • Music • Film

}

INVOLVEMENTS

- > Conceptualized a startup with 3 other students that facilitated the process of connecting realtors (from RE/MAX, Real estate One, and Keller Williams Realty) with drone pilots for aerial imaging
- > Produced music and performed for Maize Collective: a student-organized campus music label
- > Volunteered as a translator at international student orientation events for the Vancouver School Board
- > Received 1st place for Best Original Soundtrack and 3rd place overall at the British Columbia Student Film Festival
- > Led a combat squad of five in the artillery division of the Republic of Korea Army

PROJECTS

Machine Learning Classification Algorithm {

- > Utilized NLP and implemented a Multi-Variate Bernoulli Naïve Bayes Classifier to sort forum posts into respective categories
- > Predicted with 86% accuracy on test set of ~11,000 samples

}

Database Structure Demonstration {

- > Implemented algorithms demonstrating the behaviors of Linear Hashing, External Merge Sort, and Grace Hash Join using C++

}

Relational Database System and SQL {

- > Developed a desktop program purely in C++ simulating relational database SQL table manipulation commands

}

EXPERIENCE

Mosaïque, LLC : Software Engineering Intern

Chicago, IL : 06/2019 ~ 08/2019 {

- > Built on a pre-production platform using blockchain technology and smart contracts to introduce STP in multi-party trading and clearing ecosystems with a team of 5 software developers
- > Constructed front-end components with React and made connections to Python back-end components in the trade allocations engine module, and conducted integration testing
- > Worked with a team of UI designers to develop and deploy a renewed landing page using HTML, CSS, and Javascript

}

Michigan Advertising and Marketing : Staff Developer

Ann Arbor, MI : 09/2018 ~ 04/2019 {

- > Worked in a team of 6 consultants to increase ROI on marketing campaigns for local businesses, conducting net promoter research on 200+ samples to optimize campaigns
- > Created digital advertisement media, redesigned clients' websites, and deployed SEO techniques, boosting organic web traffic by 230% over a period of 3 months

}

StartUM Entrepreneurship : Student Mentor

Ann Arbor, MI : 09/2017 ~ 04/2019 {

- > Advised a startup project team regarding UI/UX design and web development, up until initial online product deployment
- > Planned and led web development workshops in addition to providing guidance to align teams with their objectives

}