

Kenny Ngo

Telephone: (616) 345-9799

Email: kngo@umich.edu

Ann Arbor, MI

<https://www.linkedin.com/in/khngo/>

EDUCATION

University of Michigan, Ann Arbor MI

August 2019 - Present

- Bachelor of Science, triple major in Data Science, Computer Science, and Applied Mathematical Sciences
- GPA: 3.275 / 4.000
- **Relevant coursework:** Web Systems, Introduction to Machine Learning, Data Structures and Algorithms, Introduction to Theoretical Statistics, Linear Algebra, Differential Equations, Data Mining and Statistical Learning

EXPERIENCE

Tutor

September 2019 – Present

University of Michigan

Ann Arbor MI

- Tutored 4 students in both Elementary Programming Concepts and Web Systems for 4 hours per week, scheduling weekly meetings to review material taught in lectures, guiding students through their projects by clarifying their questions.

Dining Service Worker

October 2020 – February 2022

University of Michigan - MDining

South Quad, Ann Arbor MI

- Cultivated an efficient and welcoming space to students by greeting and swiping 500+ students in each shift, quickly serving meals requested by students and staff, and communicating well with the chef to restock food.
- Evaluated needs of the dining hall by opening and closing food stations as needed, wiping down stations and tables, cleaning plexiglass displays, sanitizing doors resulting in high student satisfaction and a sanitized safe environment.

SKILLS

- Languages: Python, C++, JavaScript, HTML 5/CSS 3, SASS, SQL, Java, R
- Frameworks & Technologies: ReactJS, SQLite, Bootstrap, AWS, Git
- Other: Flask, Jinja 2, REST API design, Instant messaging using sockets, relational databases
- Native in English; fluent in Vietnamese; intermediate in Korean

PROJECTS

MapReduce Engine

March 2022

- Designed a Hadoop-like MapReduce local server, with manager and worker nodes for map-reduce operations over large input files with a distributed file system and fault tolerance to catch worker node failures.

Facebook Clone

February 2022

- Utilized the ReactJS framework to create client-side dynamic pages, Flask Python to integrate the backend server-side dynamic pages with the frontend, and SQL to structure user data with relational databases.
- Structured together multithreaded sockets and server sent events to create a live chat room application.
- Implemented pagination for the home page with posts and chat room with messages for an infinite scroll effect.

Discord Bot

December 2021

- Programmed a personalized bot with NodeJS for a private server to enhance and streamline the user experience.
- Researched several APIs and analyzed source code to extract and display desired data given a user's query.
- Developed a music player with features such as stopping, shuffling, queueing, and playing from URL and search query.

EXTRACURRICULAR

Vietnamese Student Association (VSA)

August 2019 – Present

- Programming stage lights for VSA's annual cultural show, collaborating with 10 students to support 15 performances.
- Mentoring 2 incoming Vietnamese students in our big/little program to ease the transition through fostering community.
- Attended multiple leadership conferences across both the Midwest and Southwest United States.