

Khoi Nguyen

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EDUCATION

University of Michigan | Ann Arbor, Michigan
B.S - Computer Science

Expected Graduation May 2024
Cumulative GPA: 3.35

Coursework: Data Structures and Algorithms, Discrete Mathematics, Machine Learning, Statistics and Data Analysis, Foundations of Computer Science, Computer Organization, User Interface Development

SKILLS & TECHNICAL TOOLS

Languages: C++, C, Python(beginner), HTML/CSS, Latex, Javascript
Technologies: Git, Microsoft

PROJECTS

Euchre (C/C++)

- Implemented the 4 people card game Euchre, with abstract data types, derived classes, polymorphism where players can play manually or have a computer player
- Organized and communicated with a partner to create the game

SillyQL (C/C++)

- Used appropriate data structures and abstract data types to create a basic relational database while working with the different interacting data structures
- Gained experience with creating classes, structs, and functors to handle the different situations and optimize the use of the structured query language to retrieve information

Piazza Classifier (C/C++)

- Used recursion, binary search trees, maps, and machine learning to implement a program to classify piazza posts

EXTRACURRICULARS AND WORK

End the Cycle - *Chair Member & Tutor*

2020 - present

- Developing a community project and leading a volunteer team to provide educational resources for young English Language Learner (ELL) students
- Tutored K-12 students in underdeveloped communities 3 to 5 hours a week

Sharetea - *Shift Leader*

2020 - present

- Cooperate with fellow workers in an incredibly high paced environment to consistently perform quality work and customer service
- Managed inventory and restock to keep track of inventory to maintain constant availability of products for workers
- Trained new employees to work efficiently and grow their customer services skills

Comprehensive Studies Program - *Freshmen Mentor + Tutor*

2021- present

- Motivated and provided a resource for incoming first generation freshmen by offering emotional support, advice for being a college student, and help on school work
- Created a comfortable environment for students to get extra support through tutoring in Math and Statistics