Ching Hang Benny Chan

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EDUCATION

University of Michigan   Ann Arbor, MI
Bachelor of Science and Engineering in Computer Science   2022

Relevant Coursework: Programming and Introductory Data Structures, Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Database Management Systems, Human-Centered Software Development

SKILLS

Languages	Javascript, C++, Java, Python, Typescript, C#, Kotlin
Frontend	HTML, CSS, React
Backend	Node.Js, Express
Database	Oracle SQL, PostgreSQL, MySQL
Tools, etc.	Git, Webpack, Linux, WSL, Bash, Jira, Trello

PROJECTS

Cache Simulator | *C*   **2021**
Program that emulates CPU caching
- Developed the program to accept assembly code (LC2K instruction set) to store, move, and retrieve data

Text Classifier | *Python*   **2021**
A Naive Bayes text classifier that determines if a given statement is truthful or falsehood
- Trained the classifier on a prelabeled dataset by tokenizing words used in each category
- Used natural language processing to calculate the likelihood that a given statement is a lie

Vigilantes | *Kotlin, XML*   **2021**
Android application designed to assist LEO in documenting automotive incidents using Machine Learning
- Developed and designed the frontend using Kotlin and XML
- Communicated and collaborated with cross-functional team members using Agile methodology
- Provided documentation for data structures and functions, resulting in a smoother developing experience for the team

Midnight Madness | *Unity, C#*   **2022**
2D horror-survival game developed in Unity
- Developed and designed the enemy AI with a Behavior Tree model
- Created player-intuitive level designs while retaining complexity

Confessional | *React, Javascript, Node.Js, Express, PostgreSQL*   **2023**
Web application that allows users to send confessions to a server to be seen by other users
- Created and designed the frontend with React to ensure an accessible and intuitive user interface
- Coded the backend with Node.js and Express to store and retrieve user inputs to and from a PostgreSQL database