Yihang Huang

yihang.h16@gmail.com | +1 514 746 9588 | linkedin.com/in/yihang-huang | github.com/QuoiHang

Summary

I'm a life learner in multidisciplinary fields, including computer science, architecture, and design. I have a strong background in software engineering and a passion for creating innovative solutions. I am currently pursuing a Master's degree in Computer Science at the University de Montréal, where I am focusing on machine learning and data analysis.

Education

University de Montréal, Master of Computer Science	Jan 2024 – 2026
Concordia University, Graduate Diploma in Computer Science	Sept 2022 – Jun 2023
McGill University, Master of Architecture	Sept 2016 – Oct 2017
South China University of Technology, Bachelor of Architecture	Sept 2011 – Jun 2016

Experience

Software Engineer, Apple – Cupertino, CA   June 2005 – Aug 2007

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Software Engineer Intern, Microsoft – Redmond, WA   June 2003 – Aug 2003

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

Projects

Multi-User Drawing Tool   github.com/name/repo

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar   github.com/name/repo

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System   2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Skills

Languages: C++, Python, Java, SQL, HTML, JavaScript, Solidity

Technologies: Machien Learning, Microsoft SQL Server, UI, Blockchain