Jimmy Zhang

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Summary — Aspiring Software Developer with a passion for learning new programming languages and tools. Eager to apply skills in real-world projects while growing in the tech industry.

Skills

Languages: Java, Python, C, SQL, React, JavaScript, HTML/CSS, R
Tools: Git/GitHub, PostgreSQL/pgAdmin, VSCode, IntelliJ, Vim

Education

McGill University
B.Sc. Software Engineering, 3.82/4.00 GPA
Relevant Courses: COMP 202/206/250/273, MATH 240
John Abbott College
DEC in Sciences (200.B0)

Projects

CliniQ **Jan 2025**
Full-Stack Project, McHacks 12
- Developed a web application to prioritize hospital patients according to severity of symptoms and wait times, improving emergency room efficiency
- Implemented the front-end using **React.js**, **JavaScript**, and **CSS**, while leveraging **Python, Flask** and **PostgreSQL** for back-end database management
- Integrated OpenAI's API to analyze and rank patient data, providing real-time wait time estimates and priority rankings

The Odin Project **Jul 2024 - Present**
Full-Stack Web Development, Self-taught
- Following a comprehensive full-stack web development curriculum, including HTML/CSS, JavaScript, React, Node.js, SQL, and various essential development tools
- Built and deployed several interactive projects, such as a **Calculator web app** and a browser **Etch-a-Sketch** to demonstrate front-end development skills
- Gained practical experience with version control (Git/GitHub) and agile development methodologies

Most Recent Common Ancestor Program (R) **Jan 2024 - May 2024**
- Wrote a program in R that computes the Most Recent Common Ancestor of any given population
- Implemented an algorithm to traverse and compare hierarchical data structures efficiently
- Optimized for performance through testing with various datasets

Experience

Gym Fit Forme **Jul 2023 – Oct 2023**
Front Desk Associate
- Managed front desk operations, providing friendly customer service to gym members and visitors
- Managed sign-ups, renewals, and inquiries, providing information about membership plans, services, and facilities
- Utilized a computer system for membership database management and appointment scheduling

Extracurricular Activities

2024-2025 ICPC North America Qualifier (NP Compete) **Oct 2024**
- Competed against teams to solve programming problems using various languages
- Collaborated with peers to brainstorm and implement efficient solutions under time constraints

Volunteering @ McGill Engineering TechFair **Sep 2024**
- Greeted and directed company executives to their respective stations
- Helped visitors store and retrieve their bags and coats
- Connected with and learned from multiple experienced members within the tech industry