

Renfei Wu

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SUMMARY

Undergraduate student pursuing a CS Specialist and Applied Mathematics Major with an outstanding academic record (current CGPA: 3.98/4.00). Passionate about project development, with a solid foundation in software engineering, algorithms, and clean coding practices. Experienced in volunteering, teamwork, and student organizations, with a strong understanding of collaborative development processes. Outgoing and optimistic, eager to contribute creative solutions and collaborate in team settings.

EDUCATION

University of Toronto	Toronto, CA
Bachelor of Science	Expected 2027
Specialist in Computer Science; Major in Applied Mathematics	
Coursework: Machine Learning; Software Engineering; Algorithms; Differential Equations; Statistics	
Guanghua Cambridge International School	Shanghai, China
High School Diploma, Computer Science, Physics and Mathematics	2020-2023

EXPERIENCE

Let's Get Together	Mississauga, CA
Online Tech Support Developer (Volunteer)	Oct 2024 – Present
<ul style="list-style-type: none">Designed an online inquiry system for the 'Let's Get Together' organization to improve team efficiency and enhance user accessibility for inquiries.Developed a user-friendly webpage with a Q&A section and integrated LLM technology to simplify the process of providing suggestions, reducing the team's workload and enhancing response efficiency.	
UTM Chinese Academic and Professional Society	Mississauga, CA
Technical Vice President	Aug 2024 – Present
<ul style="list-style-type: none">Led the design and development of the club's website, resulting in improved user engagement and streamlined access to academic resources.Coordinated cross-functional tasks within the team, ensuring smooth communication between departments and timely project completion.Integrated an LLM powered by Retrieval-Augmented Generation (RAG) to provide accurate answers to common academic questions for first-year students, improving accessibility and user engagement.	
Online Course Tutoring	2023-Present
<ul style="list-style-type: none">Provided one-on-one tutoring to six first-year CS and A-Level students, developing customized study plans and tailored review sessions, leading to a 10% improvement in student performance.Communicated with parents to alleviate anxiety and guided students in exploring career paths and academic decisions.	

PROJECTS

AI-Enhanced Drawing Application	Oct 2024
<ul style="list-style-type: none">Led a team of four in developing a JavaFX-based drawing application, integrating design patterns (MVC, Factory, Command, Strategy) for scalable and maintainable architecture. Coordinated integration and ensured smooth execution, resulting in an intuitive app.Integrated llama3 with optimized prompts to enhance AI-generated drawings, improving user interaction and output quality.	
Pseudocode Compiler	Dec 2024
<ul style="list-style-type: none">Developed a tool to help students efficiently execute and debug A-Level pseudocode, enhancing learning outcomes.Designed and implemented lexical and syntax analyzers using C++ with lex and yacc to optimize pseudocode analysis.Plans to collaborate with high schools to promote the tool, aiming to enrich the learning experience for students.	

ADDITIONAL

Skills: Java, Python, C++, C, Javascript, HTML/CSS, vue.js, RISC-V, RAG, Prompt engineering, Web Crawler
Languages: English, Native Chinese