

RUI GUAN

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Education

University of Toronto

Master of Engineering in Electrical and Computer Engineering

Sep. 2023 – Present

Toronto, Ontario

University of Calgary

Bachelor of Engineering in Software Engineering (with distinct)

Sep. 2018 – Apr. 2023

Calgary, Alberta

Relevant Coursework

- Brain Machine Interfaces
- Software Development
- Web-Based Systems
- Database Management
- Computer Network
- Computer Graphics
- Systems Programming
- Software Architecture

Awards

International Undergraduate Awards | *University of Calgary Scholarship*

2019-2020

Schulich School of Engineering Dean's List | *University of Calgary Scholarship*

2021-2022

Projects

Breast Cancer Imaging | *Raspberry PI, Cross Compilation, C++*

Fall 2022 - Winter 2023

- Industry-Sponsored Projects: Sponsored by Wave View Imaging
- Collaborated in a 6-member team to design embedded software on the ZYNQ device for Breast Cancer Imaging
- Developed the user interface and FPGA wave data processing

Distributed E-Commerce System | *React, Node.js, Express, SQLite*

Winter 2023

- Led a 5-member team in designing and building an E-Commerce System using React, Node.js, and SQLite
- Successfully delivered a functional and user-friendly system

Library Management System | *HTML, Java, Springboot*

Winter 2022

- Contributed to a 6-member team in designing and building a Library Management System using HTML, Java, and Springboot
- Demonstrated effective communication and collaboration skills

Personal Project | *Next.js*

Winter 2022

- Developed a personal blog site using Next.js lareinaguan.org
- Showcased creativity and initiative in web development

University Course Schedule | *Asp.Net, C Sharp*

Winter 2022

- Collaborated in a 3-member group to design and build a University Course Schedule Creator using Asp.Net and C Sharp
- Delivered a user-friendly scheduling tool

Technical Skills

Languages: Proficient in C, C++, Java, Processing; Fluent in C Sharp, Python

Web Development: Node.js, React, ASP.Net, Tailwind, Express, Next.js

Database: MySQL, SQLite

Technologies/Frameworks: Linux, GitHub, JUnit, OpenGL, Hadoop, Spark

Soft Skills

Effective Communication: Proficient in conveying ideas and information concisely and concisely, promoting collaboration within cross-functional teams.

Adaptability: Able to accept change quickly and thrive in a dynamic environment, demonstrating the ability to adjust strategies and approaches as needed.

Attention to detail: Keen insight to ensure precision and accuracy in all assignments, minimizing errors.

Leadership / Extracurricular

Chinese Student and Scholars Association

Sept. 2019 – May 2023

Vice President

University of Calgary

- Managed the financial department, overseeing all income and expenses of the association
- Represented Chinese students in meetings with the Ambassador of the People's Republic of China to Canada, Peiwu Cong
- Participate in organizing events such as the University of Calgary Chinese International Student Orientation and Calgary Chinese International Student Spring Festival Gala