

# 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

## 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](https://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

## Awards

### International Undergraduate Awards | *University of Calgary Scholarship*

2019-2020

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

2021-2022

## 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 clearly, 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