

# CINDY(RUI) WEI

Waterloo, ON, Canada

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## WORK EXPERIENCE

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### Software Developer

*MathSolver.top*

Waterloo, ON, Canada (Remote)

*April 2024 - present*

- Led the frontend design and development of an LLM-based math tutor chat application from beginning to launch using **React** and **Next.js**, now with 1000+ daily active users. Available at: **chat.mathsolver.top**
- Implemented **Firestore** (a NoSQL database) for user registration and profile-related data storage.
- Collaborated with backend engineers to develop **RESTful APIs** using **Node.js**, facilitating communication between the LLM model and the frontend application.

## PROJECTS

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### Music School Website

*cadd9.cn*

- Developed a responsive and user-friendly web application for a music school using **React** and **Node.js**.
- Implemented features such as news posting, course listings, and student registration to enhance the school's online presence. Contributed to a 150% increase in student enrollment.
- Integrated a **Content Management System(CMS)** using Contentful to efficiently store and manage website data.
- Integrated a backend server with Node.js to handle form submissions and user data.

### Restaurant Food Order - XiaoYu Resturant

- Developed a web application using **React**, **Express.js**, and **MySQL** for a local Toronto restaurant, enabling customers to scan a barcode and place orders directly from their phones.
- Built a secure backend with Express.js and MySQL to handle customer orders, menu management, and order statuses in real-time.
- Created an intuitive dashboard for restaurant owners to manage orders, track daily billing metrics, and access relevant analytics, enhancing operational efficiency.

### Task Management Mobile App - School Project

*Taskmate*

- Developed a comprehensive task management mobile app using **React Native**, **Typescript** and **Redux**, integrating key features such as task creation, management, and categorization.
- Integrated **Natural Language Processing (NLP)** to auto-populate task details.

### DJ App - School Project

*DJ APP*

- Designed and built a DJ App using **C++** and used the JUCE library for GUI.
- Implemented basic functions of a DJ controller including loading audio files into a player, playing two tracks simultaneously, changing the volume and speed of a track, and adding filters to a track.
- Applied **Object-Oriented Programming** principles and Concurrent Programming to develop the app.

## EDUCATION

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### University of Waterloo, Canada

- Advanced Web Design and Development Certificate

*September 2022 - September 2024*

### Goldsmiths, University of London, United Kindom

- Bachelor of Science, Computer Science (Remote)

*April 2021 - September 2024*

### Western University, Canada

- Master of Professional Education

*September 2019 - December 2020*

## SKILLS

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**HTML, CSS, JavaScript, Typescript, Python, C++, SQL, React, Git, Node.js, Express.js, MySQL**