



# MEI JIN

Computer Science at University of Waterloo

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## Skills

**Languages** C++, C, Python, JavaScript, TypeScript, HTML/CSS, Ruby, Swift, SQL, Racket

**Tools** Git, Bash/Linux, Figma, Adobe Illustrators, AWS, Google Cloud, Insomnia, .NET, Jenkins, Docker, InfluxDB

**Technologies** React, Node.js, Three.js, RSpec, Flask, XCUITest

## Experience

### Software Engineer

01/2024 – 04/2024

Kikoff

San Francisco, CA

- Demonstrated extreme ownership in driving a project end-to-end for building a scalable educational content repository using **React**, achieving a **25%** raise in average session duration and a **75%** boost in feature interaction for **1 million** users
- Pioneered the development of a comprehensive library of reusable complex **React** components, including carousels and swipe cards, slashing development time for new features and ensuring UI consistency across the application
- Leveraged **Ruby on Rails** to optimize backend algorithms, accelerating the credit dispute resolution process by **13%**

### Software Developer

01/2023 – 04/2023

Geotab

Remote

- Guided cross-team project to rearchitect and implement a major user interface overhaul using **React**, shipping dynamic experiences to **5,000+** companies via **TypeScript**-based add-ins that enrich user interactions and streamline workflows
- Led integration efforts for camera and video telematics across third-party cameras and Geotab devices with **.NET Core SDK**, optimizing data synchronization in device-mapping and data-fetching processes
- Oversaw the creation of a robust public API interface in **Insomnia** for users to query unified device data effortlessly

### Software Development Engineer in Test

01/2022 – 04/2022

TextNow

Waterloo, ON

- Spearheaded test automation initiative utilizing the **XCUITest** framework in conjunction with the **Page Object Model**
- Managed continuous integration tools to automate the release and testing process with **CircleCI**, **Fastlane**, and **Jenkins**
- Strategized and developed solutions to enhance testing efficiencies and expand automation test coverage, increasing product reliability by driving automation pass rate above **90%**

### Full-Stack Developer

04/2021 – 08/2021

evolv1

Waterloo, ON

- Owned the full-stack development of a dynamic website using **JavaScript** and **HTML/CSS** to display real-time statistics
- Built a dashboard with an intricate user authentication system to exhibit organized information sourced from **InfluxDB**
- Collaborated cross-functionally to develop an interactive 3D model using **Three.js**, driving up user engagement by **40%**
- Designed a comprehensive user management system with **Flask** in **Python** to mitigate potential maintenance challenges

## Leadership

### National Lead in Technology and Design

09/2020 – 12/2020

Illuminate Universe

Remote

- Prototyped and built an engaging website in **JavaScript** and **HTML/ CSS** for a national conference of **400+** participants

## Education

### Bachelor of Computer Science and Business Administration

09/2020 – 04/2025

University of Waterloo

4.00 Faculty GPA

- Relevant courses include **Algorithm Design & Data Abstraction** and **Object-Oriented Software Development**
- Active contributor to the student-produced newsletter **MathNEWS**

## Interests

- Creative writing
- Video gaming
- Drawing