

# Felix Li

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## Education

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### University Of Waterloo

Sept. 2022 - Apr. 2027

Bachelors of Computer Engineering, Co-op, 3.70 GPA

Waterloo, On

## Technical Skills

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**Languages:** Python, C#, Javascript, Typescript, C++, Java, SQL

**Technologies/Frameworks:** React, ASP.NET Core, Entity Framework Core, Node.js, Express.js, Tailwind CSS

**Developer Tools:** MySql, PostgreSQL, Supabase, Postman, Jira, Confluence, Bitbucket, Git, Sourcetree

## Experience

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### Full Stack Developer

Sept. 2023 - Dec. 2023

RIFO Holdings Group

Toronto, Canada

- Leveraged **React**, **ASP.NET Core**, and a **MySQL** database to enhance realtor efficiency with an end-to-end data-driven web app, collecting, processing and visualizing real-time housing market data from over **2.5 million** listings across diverse Canadian regions.
- Empowered data-informed decision-making and provided clients with **up-to-the-minute** market insights through user-friendly data visualization components, including charts and tables.
- Designed and implemented **RESTful APIs** to facilitate seamless communication between front-end and back-end systems, enabling efficient data retrieval and enhancing user experience.
- Significantly optimized data retrieval, manipulation, and analysis, resulting in a notable reduction in processing times by **95%** through utilizing parallel processing and asynchronous programming techniques within data processing APIs.

### Switch Technician

Jan. 2023 - Apr. 2023

Rogers Communications Inc.

Toronto, Canada

- Improved the reliability of fiber optic transport links (**Gige**, **10Gige**, **100Gige**) and **DS0** to **OC198** through collaborative testing and troubleshooting using **RFC 2544** and **BERT tests**.
- Contributed holistically to all Rogers customers, working with **GSM (2G)**, **UMTS (3G)**, **LTE (4G)**, and **5G technologies**.

## Personal Projects

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### IMFAT - 🐙

Oct. 2023 - Present

React, Node.js, Express.js, Typescript, PostgreSQL, Supabase, Tailwind CSS

- Developed IMFAT, an Individually Managed Fitness Activity Tracker, a comprehensive web application empowering gym-goers to track their workouts and personal metrics, monitor progress, and create customized workout templates effortlessly.
- Orchestrated seamless posting of new workouts, dynamic creation and updates of workout templates, and retrieval of past workout history to and from a **PostgreSQL** database. Achieved through **RESTful APIs** built using **Node.js** and **Express.js**.
- Crafted a responsive and intuitive user interface, optimizing user experience for easy workout tracking, progress monitoring, and customization of workout templates using **React** with **Tailwind CSS**.
- Implemented user registration, login, and profile management using **Supabase's** authentication functionalities.

### PvP Chess - 🐙

Apr. 2023 - May. 2023

Python, Pygame

- Designed, developed, and tested a fully functional two player chess game using **Python** and **Pygame** library.
- Implemented features such as legal move validation, checkmate/stalemate, and En Passant.
- Demonstrated proficiency in object oriented programming and problem-solving skills by creating a complete chess game with intuitive user interface and dynamic gameplay.