

# Felix Li

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## EDUCATION

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### University of Waterloo

Sept. 2020 – Apr. 2025

Bachelor of Computer Science

**Relevant Courses:** Distributed Computing, Networks, Security and Cryptography, Operating Systems, AI/ML

## EXPERIENCE

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### Radar

Sept. 2024 – Dec. 2024

*Software Engineer Intern*

*New York, NY*

- Created data pipelines to ingest **20 million** international postal codes using **Spark**, **AirFlow**, and AWS EMR
- Built pipelines to automate the processing of **100 GB** geocoder assets, greatly reducing development time
- Added a Make versioning system to avoid **40 GB** data re-downloads, saving **1-3 hours** of build time
- Bolstered pipeline robustness with **Spark** metrics jobs that report through Slack
- Parallelized **Rust** build scripts to reduce RocksDB local indexing times by **10 minutes**

### Radar

Jan. 2024 – Apr. 2024

*Software Engineer Intern*

*New York, NY*

- Led a new custom analytics dashboard feature that helped win **three 6-figure deals**
- Designed and implemented the back end and database schemas for analytics using **Express** and **MongoDB**
- Built the front end for creating, editing, and viewing analytics using **React**, **TypeScript**, and Sass
- Enriched the analytics data query pipeline with AWS Athena

### Nova

May 2023 – Aug. 2023

*Software Engineer Intern*

*Toronto, ON*

- Built new components with **React** and Redux, and refactored existing ones to improve modularity
- Added filters and wrote acceptance tests for an ad campaign pipeline using **Python** and Redis
- Added new fields to and wrote unit tests for **Django** models and a **MySQL** database
- Implemented and debugged Jest unit tests to maintain front-end test coverage at **98%**

### Microart

Sept. 2022 – Dec. 2022

*Software Engineer Intern*

*Markham, ON*

- Implemented data transfer protocols between a wine monitoring app and a weather sensor using BLE
- Overhauled the BLE library to reduce the frequency of connection drops by a **factor of 20**
- Developed an asynchronous OTA firmware update process in **JavaScript** for a **React Native** UI
- Set up an automated firmware versioning system with GCP Firebase

### hyperPad

Jan. 2022 – Apr. 2022

*Software Engineer Intern*

*London, ON*

- Built and styled web and mobile UI components using **React/React Native** and Theme UI
- Implemented a dark mode theme for an enhanced user experience
- Designed and fixed Jest unit tests and Cypress end-to-end tests to ensure full front-end test coverage

## TECHNICAL SKILLS

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**Languages:** TypeScript/JavaScript, Python, Rust, Scala, C/C++, SQL

**Tools/Frameworks:** AWS, Spark, React, Node/Express, MongoDB, AirFlow, Django, Docker