ROGER LI

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SUMMARY OF SKILLS

- **Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, XSLT
- **Technologies:** Django, React, Git, AWS, Flask, SQL, jQuery, D3

EDUCATION

University of Waterloo – Bachelor of Software Engineering, Fine Arts Minor   2020 – present
- Expected graduation in 2025, cumulative GPA of 90.64
- Courses: Algorithms, Data Structures, Software Architecture, Databases

WORK & VOLUNTEER EXPERIENCE

Software Engineer Co-op – *Get ResQ Ltd.* **–** Toronto, ON   September – December 2024
Restaurant maintenance management platform, Django, React, React Native
- Independently implemented page, form, and filters in **React** and **React Native** for web and mobile, starting from Figma designs, for team's new feature launched to thousands of users
- Developed and improved **GraphQL** mutations as part of **Django** backend API for form submission with authorization to create and delete objects, with analytics tracking

Software Developer Co-op – *Avenza Systems Inc.* **–** Toronto, ON   January – April 2024
Map store website, Django, integration with Shopify, Algolia
- Implemented **Django** admin feature to update **PostgreSQL** database, **AWS S3** from CSV file
- Developed scripts for anonymizing users in batches on Shopify using **GraphQL** mutations
- Created and improved **REST API** endpoints and optimized queries for database updates

Software Developer Associate – *Adexa, Inc.* **–** Toronto, ON   May – July 2023
Supply chain management visualization, JS, D3, JQuery, TCL, XSLT
- Developed interactive UI in **JavaScript** to visualize network graphs representing supply chain
- Enhanced testing tool by modifying large **HTML** reports, generated with XSLT

Software Engineering Intern – *Super* **–** Toronto, ON   September – December 2022
SuperCash, debit card that builds credit, Flask, Python
- Implemented features using **Flask (Python)**: new screen, notifications, financial statements
- Improved error tracking, identifying 24% more exceptions on **Amplitude** and **Datadog**

Software Developer Full Stack Intern – *BanaLogic* **–** Toronto, ON   January – April 2022
Vehicle inspections products, Django webapp, AWS CDK/Cloudformation
- Aggregated **AWS** resources into an AWS CDK template, including **S3**, **EC2**, **MySQL** database
- Developed custom templates, **Django** form fields, widgets, search filters, and script

Software Developer Intern – *Compass* **–** Toronto, ON   May – August 2021
Start-up company, aggregates university resources, Django and React, PostgreSQL
- Created permissions and filters on **Django** admin page for different levels of user access

PROJECTS

Personal Website, rogerxli.com – *React*   2023 – 2024
React web-application with custom images, styled using Spectre.css