

Roseak Lin

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Education

Western University

September 2021 - May 2026

BSc, Specialization in Computer Science

Dean's Honour List (2022, 2023, 2024)

Cumulative GPA: 3.9/4.0

Professional Experience

Software Developer Intern

May 2024 – August 2025

J.D Power

London, ON

- Maintained and enhanced **Spring Boot microservices serving more than 2 million requests daily**, shipping new backend features and resolving production issues across distributed systems
- Spearheaded **upgrade of Spring Boot microservices** for a Cassandra 3 to 4 migration; authored team-wide migration docs, contributing to a **2x throughput increase**
- Developed **Java-based production hotfix scripts** to correct data inconsistencies in Cassandra-backed microservices, **updating more than 400,000 records** and restoring data integrity
- **Engineered a Java JUnit test suite** for an internal code generation tool, integrating it into GitLab CI/CD to gate builds across 20+ projects
- Led **development of IntelliJ and Gradle plugins** to automate documentation generation and **reduce technical debt, improving maintainability** across backend codebases

Web Developer Intern

May 2022 – July 2022

Sinai Foundation Canada

Remote

- Consolidated duplicated UI patterns into reusable React components and centralized content logic, **reducing total frontend codebase size by 15%**
- Implemented **responsive styling and accessibility improvements across 20+ components**, enhancing cross-device usability and UI consistency
- Leveraged react-snap for pre-rendering to **improve SEO and achieve full content indexability**

Projects and Awards

Spotishare | *JavaScript, React, Node, ExpressJS, SCSS, Socket.io, Bootstrap, Git*

- Built a **Spotify-synced music party app** supporting **real-time chat** and **playback syncing for 10+ users**, reducing latency via socket-based architecture
- Designed and implemented responsive layouts with **CSS media queries and Bootstrap**, improving **usability and accessibility** across mobile and desktop platforms.
- **Implemented Spotify OAuth 2.0 authentication** flow, managing access and refresh tokens to securely integrate the **Spotify Web Playback SDK and Web API**

Personal Portfolio & Photography Showcase | *TypeScript, React, Vite, Hono, CSS, Cloudflare Workers*

- Developed a high-performance Single Page Application (SPA) using **Vite, Typescript, and Bootstrap** to showcase software projects and professional experience.
- Architected a scalable media delivery system by integrating **Cloudflare R2 object storage**, enabling the **efficient hosting and retrieval of high-resolution photography** assets from a personal portfolio.

Technical Skills

Languages: Java, C/C++, Python, HTML, CSS/SCSS, SQL, JavaScript/TypeScript

Frameworks, Libraries, and Technologies: React, NextJS, Node, Bootstrap, Express, Socket.io, Java Spring, MongoDB, Cassandra, mySQL

Developer Tools: Git, GitHub, GitLab CICD, Jira, Kubernetes, Jenkins, Docker, Postman, Maven, Cloudflare