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

Relevant Coursework: Distributed Systems, Data Structures and Algorithms, Computer Networks, Computer Organization and Architecture, Object Oriented Design and Analysis, Operating Systems

Professional Experience

Software Developer Intern   May 2024 – August 2025

J.D Power   *London, ON*

- Resolved over **100 unique CVEs** across more than 30 services, libraries, and ETLs, resulting in an over **90% drop in vulnerabilities** in projects the team managed
- **Built a Java test suite** for an internal code generation tool used in 20+ projects and **integrated it into GitLab CI/CD**
- Developed **IntelliJ/Gradle plugins** as part of an **AI-driven tooling R&D initiative**, contributing to a company-wide rollout
- Led **refactoring of Spring Boot microservices** for a Cassandra 3 to 4 migration; authored team-wide migration docs, contributing to a **2x throughput increase**
- Automated CI/CD for 10 microservices using **Jenkins and Rancher**, improving Kubernetes deployment consistency

Web Developer Intern   May 2022 – July 2022

Sinai Foundation Canada   *Mississauga, ON*

- **Built reusable React components** to improve accessibility and UI consistency
- Implemented a responsive redesign **across 20+ components** using **Bootstrap and SCSS**
- Refactored the codebase into modular components and a JSON-driven content workflow, **eliminating inline text** and **creating 10+ structured JSON files** for improved maintainability
- Leveraged react-snap for pre-rendering to **improve SEO and achieve full content indexability**

Projects

Spotishare

- Developed a full-stack Spotify-synced music party app using **React, Node.js, and Socket.IO** to support **real-time chat and low-latency playback synchronization** for 10+ users
- Integrated app with Spotify using the **Spotify Web Playback SDK** and **Spotify Web API with JavaScript**

Personal Portfolio & Photography Showcase

- Developed a high-performance Single Page Application (SPA) using **Next.js, 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, Confluence, Kubernetes, Jenkins, SonarQube, Docker, Postman, Maven, Cloudflare