

# ROSEAK LIN

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## SKILLS

**Programming:** Java, C++, Python, HTML, CSS, JavaScript, ReactJS, JQuery, Node.js, ExpressJS

**Infrastructure/Tools:** Git/GitHub, Android Studio

**Courses taken:** Data Structures and Algorithms, Applied Logic for Computer Science, Computer Organization and Architecture

## EXPERIENCE

**Web Developer and Designer**, Sinai Foundation Canada

May 2022 - July 2022

[ReactJS](#), [CSS](#), [Bootstrap](#), [JavaScript](#), [Node.js](#), [ExpressJS](#)

- Worked as [lead developer](#) to plan, design, propose, and implement changes for the website
- Created new website components and updated old components using primarily [JavaScript](#) and [SCSS](#).
- Created a mail subscription service using the [MailChimp API](#) and [NodeMailer](#) to allow users to subscribe to receive email updates about the organization.

**Coding Tutor**, Western Polaris Tutoring

Sept 2019 - Dec 2021

- Led class of elementary school students through basic concepts coding concepts using [Java](#)
- Was primary content creator for curriculum and gave lessons on basic and advanced programming topics such as data types, object oriented programming, sorting algorithms, and basic data structures.

## PROJECTS AND AWARDS

**SpotiShare**

[ReactJS](#), [CSS](#), [JavaScript](#), [JQuery](#), [Node.js](#)

- Led front end implementation in a music listening party web app with [real-time syncing](#) and [live chat](#)
- Designed and developed multiple pages that included [responsive web design](#)
- Integrated app with Spotify using the [Spotify Web Playback SDK](#) and [Spotify Web API](#).

**Data Structure and Algorithm Visualizer**

[ReactJS](#), [CSS](#), [JavaScript](#), [JQuery](#), [Anime.js](#)

- Created a visualizer web app that shows how search algorithms (such as breadth first search and Dijkstra's algorithm) behave and how data structures (such as stacks, lists, and queues) manage data.
- Used [React Router](#) to create a [multi page application](#) to separate the data structure visualizer from the algorithm visualizer

**Country Catalogue Program**

[Python](#)

- Implemented program created in Python which uses [classes](#) and [inheritance](#) to allow a user to [read and write information](#) into a text file.
- This program was written for the UWO CS1026 course and received a [90% grade](#).

**Canadian Computing Competition, Certificate of Distinction**

2020, 2021

[Java](#), [C++](#)

- Scored in the [top 25%](#) of all participants in the national competitive coding competition.

## EDUCATION

**Western University**, BSc in Computer Science

Sept 2021 - Apr 2025

**G.P.A.** 3.7/4.0

**Awards:** Dean's Honor List (2021)