

# Roseak Lin

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🔗 <http://www.github.com/Roseak-lin>

🌐 <https://roseak-lin.github.io/>

## EXPERIENCE

**Coding Tutor**, Western Polaris Tutoring

Sept 2019 - Dec 2021

- Taught **Java** and **HTML** concepts and syntax to grade 4-8 students
- Explained and gave demonstrations on basic and advanced programming topics such as data types, computer logic, object oriented programming, and algorithms.

## PROJECTS AND AWARDS

### SpotiShare

[React.js](#), [CSS](#), [JavaScript](#), [jQuery](#), [Anime.js](#), [React Bootstrap](#)

- Spotify listening party web app with real-time syncing and live chat
- Created a responsive web page that adjusts to the screen size using React Bootstrap's grid system
- Implemented the Spotify Web Playback SDK to allow listening from within the web app.
- Live demo available at <https://spotishare-test.herokuapp.com/>

### Data Structure and Algorithm Visualizer

[React.js](#), [CSS](#), [JavaScript](#), [jQuery](#), [Anime.js](#), [React Bootstrap](#)

- Created a web page that gives visualizations of search [algorithms](#) such as Dijkstra's algorithm and [data structures](#) such as queues and stacks.
- Used React Router to create separate pages for each visualizer.
- Project demo available at <https://roseak-lin.github.io/DS-and-Algorithm-Visualizer/>

### Sketchy Studios, Hack the North 2021

[React.js](#), [CSS](#), [JavaScript](#), [jQuery](#), [React Bootstrap](#)

- Collaborated in a team of 4 to create a pictictionary like game where players try and describe and draw pictures from other players.
- Designed and implemented an organized, responsive, and clear UI for multiple round phases.
- Project repository available at: <https://github.com/JerryLin1/sketchy-studio>

### Country Catalogue Program

[Python](#)

- A program created in Python which uses OOP principles to allow a user to retrieve and modify country data from 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++](#)

- Received for scoring in the 25% of all participants in the national competitive coding competition.
- Achieved in 2020 for the junior competition and 2021 in the senior competition

## EDUCATION

**University of Western Ontario**, BSc in Computer Science

Sept 2021 - Apr 2025

**G.P.A.** 3.9/4.0

## SKILLS

**Programming:** Java, C++, Python, HTML5, CSS3, JavaScript, React.js, Bootstrap 4, jQuery, Node.js

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

**Knowledge:** Data structures and algorithms, web development, agile development, object oriented programming