

Rosa Jeon

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Skills

Languages JavaScript, Java, Python, C, C++, HTML, CSS

Tools React, Node, Express, Three.js, Cannon.js, MongoDB, Tailwind CSS, Blender, WebGL, Webpack, Git

Education

University of Waterloo

Bachelor of Computer Science

Waterloo, ON

Sep 2022 – Present

- Awarded President's Scholarships, worth \$2000.
- **Relevant Coursework:** Designing Functional Programs, Elementary Algorithm Design and Data Abstraction

Projects

Interactive 3D Web Game 🔗

Three.js, Cannon.js, JavaScript, HTML/CSS

- Created a web game inspired from the viral TV show Squid Game
- Used **Three.js** to form the scene, and **Cannon.js** as the 3D physics engine to animate the character and the events
- Worked with **Blender** to model the 3D main character, and created **animations** using the Action Editor tool
- Delivered **smooth gameplay** to users by using multiple types of cameras and position methods in Three.js

Personal Website 🔗

HTML/CSS, JavaScript

- Developed a website to explore **front-end** using **HTML/CSS**, and **JavaScript** to display my projects and artworks
- Utilized **media queries** in CSS to ensure the website is fully responsive and adaptable to different screen sizes
- Designed multiple **layouts** using **Figma** to deliver information with accessible **UI** for all medias

Digital Portfolio 🔗

Creative works

- Collection of personal **art works** over the last three years with self-designed template from scratch
- Shows my **technical art skills**, including **digital art**, **3D modelling**, still-life using graphite, and painting

Fitness Tracker

In progress

React.js, Node.js, Express.js, Tailwind CSS, JavaScript, HTML/CSS

- Collaborated with two classmates to create a **MERN stack** web application that tracks user's fitness records
- Authenticated users using **Google OAuth** as well as **JSON web token**, and encrypted passwords using **bcryptJS**
- Working towards constructing a **RESTful API** with user's fitness progress on **MongoDB**, using **Node** and **Express**
- Applied **TailwindCSS** utility classes to create a modern UI with accessible components for all devices

Experience

Co-Founder of Programming Club

Oakville, ON

Abbey Park High School

Sep 2021 – Jun 2022

- Prepared and trained **over 50 members** on a weekly basis for the Canadian Computing Competition (CCC)
- Designed a basic **Python** course to educate members with little to no programming experience

Founder of Art Critique Club

Oakville, ON

Rainbow Art Gallery

Sep 2019 – Jun 2022

- Gathered **over 20 students** weekly to critique their works, improving their artistic expression skills
- Improved students' **presentation skills** through regular presentation days, during which they explain their work, while also enhancing their peers' **critical thinking** skills by having them analyze the work presented

Teaching Assistant

Oakville, ON

Rainbow Art Gallery

Jul 2021 – Aug 2021

- Strengthened students' **grasp of medias**, including watercolor, acrylics, graphite, animation, and digital art
- Assisted students in constructing outstanding **portfolios** for top art schools in North America
- Developed skills in **designing** more appealing and powerful **UIs**