

Rosa Jeon

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Projects

Interactive 3D Web Game

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

Dec 2022 – Jan 2023

- 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 movement of the character and the events in the game.
- Worked with **Blender** to model and make animations for the main character using the Action Editor.

Digital Portfolio

Creative works

Jun 2020 – Jan 2023

- Collection of personal **art works** over the last three years.
- Shows my **technical skills** through different types of art, including **digital art**, **3D modelling**, still-life using graphite, and painting.

Personal Website

HTML/CSS

Oct 2021

- Developed a website to explore **front-end** using HTML and CSS to showcase personal projects and artworks.
- Used **media queries** to make the website **responsive** depending on the width of the screen.
- Designed multiple **layouts** for different screen width to deliver information with effective **UI**.

Experience

Founder of Art Critique Club

Rainbow Art Gallery

Oakville, ON

Sep 2019 – Jun 2022

- Brought together **20 students** for weekly meetings to teach them about formal communication.
- Improved **analysis** and presentation skills of students.
- Educated students on the **critical thinking** and analysis of art works.

Executive Member of Programming Club

Abbey Park High School

Oakville, ON

Sep 2022 – Jun 2022

- Prepared members for the Canadian Computing Competition (CCC).
- Taught basic **Python** course to members with little to no programming experience.

Math Tutor

Self-employed

Oakville, ON

Jul 2020 – Dec 2021

- Taught G11 Functions and G12 Advanced Functions remotely.
- **Tailored lessons** to each student's strengths and weaknesses.

Teaching Assistant

Rainbow Art Gallery

Oakville, ON

Jul 2021 – Aug 2021

- Strengthened students' **understanding of different media**, including watercolor, acrylics, graphite, sculpting, 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**.

Skills

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

Developer Tools Three.js, Cannon.js, Blender, WebGL, WebPack, GLTF, GitHub, Git

Education

University of Waterloo

Bachelor of Computer Science

Waterloo, ON

Sep 2022 – Apr 2027

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