

Kale Moskowitz

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TECHNICAL SKILLS

Hardware: Comfortable using lab equipment such as DMMs, oscilloscopes, power supplies, and function generators.

Languages: Basic understanding of C++, Python, Java, HTML/CSS, JavaScript, Matlab

Developer Tools: Git, VS Code, PyCharm, IntelliJ, Eclipse, Matlab, Unity Game Engine

Operating Systems: Comfortable using Windows, some experience with some Linux and Mac Systems.

TRANSFERABLE SKILLS

Leadership, Time Management, Strong Math Skills

PERSONAL PROJECTS

Personal Website | *Html, CSS, JavaScript, Git*

June 2024 – Present

- Developed a personal website.
- Accomplished this by teaching myself HTML, CSS, and JavaScript.
- I have achieved a work in progress website.

Procedurally Generated Maze Game | *Unity, C#, Blender*

March 2023 – June 2023

- Created a procedurally generated maze.
- Used C# and the Unity Game engine to implement the maze.
- Presented this project as part of a project fair at my highschool.

TECHNICAL COURSE PROJECTS

Digital Die Roller, ENSC 220 | *Soldering, PCB Assembly*

October 2023 – December 2023

- Assembled a Digital Die Roller
- Utilized multiple soldering techniques to connect resistors, capacitors and a microcontroller to a PCB.
- Delivered a device that generated random numbers, simulating rolls of a six-sided die.

Laundry Detergent Auto-Dispenser, ENSC 100W | *Python, Raspberry Pi* September 2023 – December 2023

- Lead design group to create an Laundry Detergent Auto-Dispenser
- Designed the complete flow of the device, from the circuitry to the code controlling it.
- Ended up with a device that could dispense three volumes semi-accurately.

EDUCATION

Simon Fraser University

Burnaby, BC

Bachelor of Applied Science in Engineering Science

Sept. 2023 – Present

HONOURS

Simon Fraser University Dean's Honour Roll

Jan. 2024 – Present

Maintained a minimum 3.5 cgpa

CBC Music Class Challenge

2021, 2022

Won first place in the High School Jazz Band Category in 2022, top 10 in 2021

INTERESTS

- Game Development in Unity and Unreal Engine
- Video and Tabletop Games
- Music
- Reading