

Karan Sharma

Computer Engineering Student

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KaranS

Education

University of Alberta

2019-2024 Bachelor of Science in Computer Engineering

W.P.Wagner

2016-2019 Alberta High School Diploma

Technical Skills

- Proficient in C, C++, C#, Python and Java.
- Familiar with HTML, CSS, and JavaScript.
- Android Development in Android Studio
- Experienced in Linux and GitHub.
- Familiar with circuit prototyping equipment.

Experience

2022-Present **Coding Instructor**, *Code Ninjas*

- Teaching children, aged 7-14, to make games in Scratch, JavaScript, and C#.
- Running STEM activities to inform kids about STEM careers.
- Created an excel spreadsheet to keep track of kids progress through curriculum.
- Working alongside a team of instructors from various backgrounds.

June 2021 - June 2022 **Laser Tag and Minecraft Host**, *LaserCity*

- Welcomed Customers and completed transactions
- Overseeing laser tag games, includes explaining rules and assisting with equipment
- Troubleshooted and fixed malfunctioning equipment
- Organized Minecraft Day camps, management of up to 10 kids and running different activities to keep kids engaged.

Projects

Navigation System

- Created a navigation system based on the City of Edmonton,
- Finds the shortest route between two selected points on a GUI
- GUI was implemented using Pygame
- Dijkstra's Algorithm was used to find the shortest route, written in C++

Kumquat NFT Sandbox

- An interactive website using the Hedera testnet allowing users to learn about the process of NFT creation.
- Allowed users to mint, trade and destroy NFT's with no risk.

Awards and Scholarships

2017-2019 W.P. Wagner Honors with Distinction

2019 Alexander Rutherford Scholarship

2021 Jason Lang Scholarship