# Keegan Churchill

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## Summary

Dynamic developer with global experiences eager to start my tech career. Resilient and adaptable, with a diverse background in teaching, entrepreneurship, and adventure, making me a valuable asset to your team.

**ALL REFERENCES AVAILABLE UPON REQUEST**

## Education

**Memorial University** , Bachelor of Science - Computer Science- AI & Games                                      2022

- **Starcraft Broodwar Bot, C++** achieved with BWAPI, made one of the most competitive bots in the class.
- **Tron Bot, C++** placed 3rd out of 30+ class tournament.
- **Connect 4 Bot, Javascript** implemented alpha beta pruning and Zobrist hashing. Placed 4th out of 30+ class tournament.

## Personal Projects

**My Website** ↗                                                                                                                      2025

- **Portfolio Website** ExpressJS, Typescript, Mustache, MySQL, Bootstrap.
- **CRUDdy jobs** A CRUD demo where jobs can be posted, deleted, etc. Using npm mysql2, pooling, and promises. Protected against SQL injections.
- **Scientific Calculator** simple client side calculator, using npm expr-eval.
- **Project Hub** Currently integrating improved demos of University projects.

**BlackJack Simulator**                                                                                                             2024

- **Simulation, C++** Tests several popular betting strategies over millions of hands to demonstrate that any betting sequence loses to the odds.

**Mighty Electron**, Global Game Jam                                                                                     2018

- **Game Design** Path-find the circuits of a breadboard as an electron. Power all components to win.

## Work Experience

**Canadian Blood Services**, Junior Full Stack Developer Custom Solutions                  Ottawa, Ontario
                                                                                                                                                 2019 - 2020
- RESTful APIs, Microservices, SQL
- Angular reactive forms, state validating, PrimeNG styling

**Rise Academy**, English Teacher                                                                            Ansan , South Korea
                                                                                                                                                 2022 - 2023
- Created an Elementary Computer Science Course.
- Built a MENACE with the kids. Physical Machine-Learning Algorithm that learns and perfects playing Tic-Tac-Toe

**Sizzle & Sip**, Co-Owner, Co-Founder                                                           Holyrood , Newfoundland
                                                                                                                                                 2024
- Food Establishment, catering, and serving events
- Serving Hotdogs as well as unique handmade whole fruit drinks and bubble tea

## Volunteer Work

**Computer Science Society,** Intramural Sports Coordinator, Event Bartender

**NL Teachers on Wheels,** Free Remote English Teacher

**Ski Hawks,** Visually Impaired Snowboard Guide