

Keegan Churchill

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📍 2 Fern Hill Lane, Gullivers Pond, Salmonier Line, NL

Summary

I'm a Computer Science graduate with experience in AI development, game development, and quantitative trading. Skilled in C++, JavaScript, I specialize in designing efficient, smart systems. I'm currently building a large-scale Python application for a quantitative trading firm and exploring Web GPU. I thrive on turning complex problems into impactful, scalable solutions.

ALL REFERENCES AVAILABLE UPON REQUEST

Work Experience

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| Lookfar Capital , Quantitative Researcher | Ottawa, Ontario |
| • Python machine learning, quantitative research. | 2025 - Present |
| • Back-testing simulation system designer and developer | |
| Canadian Blood Services , Junior Full Stack Developer Custom Solutions | Ottawa, Ontario |
| • RESTful APIs, Microservices, SQL | 2019 - 2020 |
| • Angular reactive forms, state validating, PrimeNG styling | |
| Rise Academy , English Teacher | Ansan, South Korea |
| • Created an Elementary Computer Science Course. | 2022 - 2023 |
| • 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 |
| • Food Establishment, catering, and serving events | Seasonal 2024 |
| • Serving Hotdogs as well as unique handmade whole fruit drinks and bubble tea | |

Education

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| Memorial University , Bachelor of Science - Computer Science- AI & Games | 2022 |
| • Starcraft Broodwar Bot, C++ achieved with BWAPI, Top 3 | |
| • 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

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| My Website 🔗 | 2025 |
| • Portfolio Website ExpressJS, Typescript, Mustache, MySQL, Bootstrap. | |
| 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. | |

Volunteer Work

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| MUN Quant Society | Mentor and Presenter |
| Computer Science Society | Intramural Sports Coordinator, Event Bartender |
| NL Teachers on Wheels | Free Remote English Teacher |
| Ski Hawks | Visually Impaired Snowboard Guide |