

Keegan Churchill

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Summary

Dynamic developer with a rich tapestry of global experiences eager to launch my tech career. After taking a few years to explore and challenge myself, from teaching in South Korea and navigating the rapids of the Grand Canyon, to launching my own food business and camping through Europe, I've cultivated a profound resilience and adaptability. My diverse background and proven ability to overcome intimidating challenges make 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.
- **Realm of Rythl, C++** SFML, Zelda-esk Super Mario Maker Adventure Game with custom user friendly map editor.
- **Corporate Overhaul, Javascript, MongoDB** Web-based adventure game platformer.
- **Tron Bot, C++** placed 3rd out of 30+ class tournament.
- **Sudoku Solver, Javascript** achieved via genetic algorithm.
- **Connect 4 Bot, Javascript** implemented alpha beta pruning and Zobrist hashing. Placed 4th out of 30+ class tournament.
- **Pathfinding Demo, Javascript** implemented DFS, BFS, A* searches. Grid layout, accounting for various sized objects.

Sir Wilfrid Laurier Secondary, OSSD

2014

- **Business Studies Certificate** Awarded by the Ottawa-Carleton District School Board
- **Robotics Certificate** Notable projects; Arduino Persistence of Vision Rotating LED Display, Arduino Autonomous Vehicle, Roulette simulator, Simple top down shooter game.

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.

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| HomeRekker , Global Game Jam | 2019 |
| <ul style="list-style-type: none"> • Game Design Structure building game, protect occupants from stormy weather. • Technology C# and Unity | |
| Mighty Electron , Global Game Jam | 2018 |
| <ul style="list-style-type: none"> • Game Design Path-find the circuits of a breadboard as an electron. Power all components to win. • Technology C# and Unity | |

Work Experience

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| Canadian Blood Services , Junior Full Stack Developer Custom Solutions | Ottawa, Ontario |
| <ul style="list-style-type: none"> • RESTful APIs, Microservices • Angular, PrimeNG styling • Reactive forms, state validating, backend dynamic CSV building • Agile, Scrum, Jira • MySQL database normalization | 2019 - 2020 |
| Rise Academy , English Teacher | Ansan , South Korea |
| <ul style="list-style-type: none"> • Created an Elementary Computer Science Course. • Built a MENACE with the kids. Physical Machine-Learning Algorithm that learns and perfects playing Tic-Tac-Toe | 2022 - 2023 |
| Sizzle & Sip , Owner, Founder | Holyrood , Newfoundland |
| <ul style="list-style-type: none"> • Food Establishment, catering, and serving events • Serving Hotdogs as well as unique handmade whole drinks and bubble tea | May 2024 - Present |
| The Wilds , Porter, Server, Bartender | Salmonier Line , Newfoundland |
| <ul style="list-style-type: none"> • Provided positive and professional service while preparing to launch my own business | April 2024 - August 2024 |
| Salmonier Nature Park , Wildlife Interpreter | Salmonier Line, Newfoundland |
| <ul style="list-style-type: none"> • Performed large group presentations • Private tours • Created wildlife educational content | 2016 - 2019
2021 - 2022 |
| Holiday Inn , Porter, Server, Bartender | St. John's, Newfoundland |
| <ul style="list-style-type: none"> • Set-up and clean up meetings and weddings • Open and closed bar, managed inventory and cash | 2016 - 2019
2020 - 2022 |
| Bell Sensplex , Score Keeper, DJ | Ottawa, Ontario |
| <ul style="list-style-type: none"> • Recorded Game Sheets • Ran clock and music • Awarded prizes | 2013 - 2015 |

Volunteer Work

- Computer Science Society**, Intramural Sports Coordinator
- Computer Science Society**, Event Bartender
- NL Teachers on Wheels**, Free Remote English Teacher
- Ski Hawks**, Visually Impaired Snowboard Guide
- Cumberland Hockey League**, Score keeper

Additional Skills

Finance , 5 years direct investing, 1 year options experience. Time-weighted annualized return of 26 %

Driver License, Experience driving 30ft vehicles across the continent

Outdoorsman Card and PAL Hunting & Firearms Licenses

TEFL Certified, TQUK Level 5 Certificate in Teaching English as a Foreign Language (RQF)

Service Best, NL Hospitality Customer Service Training and Certification

Project Wild, Wildlife Education specialist, Summer and Winter Certification

Expert Snowboarder, 16 years of advance snowboarding experience

Mixed Martial Arts Tournament Winner, 1st place in junior MMA demonstration