BRETTAN CUTCHALL

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EDUCATION

University of Guelph *(GPA: 3.35 / 4.00)*   *Sep 2019 - Dec 2025*
Bachelor of Computing, Honours Major Software Engineering   *Guelph, ON*
- **Relevant Coursework:** Software Reliability & Testing, Databases, Software Design.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML, CSS, Java, C, Dart
Technologies: React.js, jQuery, TailwindCSS, Express.js, Node.js, MySQL, Docker, Git, Jest.
Techniques: Agile Development, SOLID Design Patterns, Rest API.

PROJECTS

Plant Together | *React, ExpressJS, Yjs, Redis, PostgreSQL, WebAssembly*   *Sep 2024 - Mar 2025*
- Built a real-time collaborative UML editor with React, ExpressJS, and Yjs, supporting 50+ users.
- Implemented client-side PlantUML rendering via WebAssembly for instant diagram updates.
- Integrated React front-end with adaptive design using TailwindCSS.
- Contributed to team development including mobile/adaptive design, cursor highlighting, private/public rooms, CRUD functionality and endpoints.
- https://plant-together.nnourr.tech/

UoGuessr | *Flutter, Supabase*   *Sep 2024 - Mar 2025*
- Built a GeoGuessr inspired game to create a social and fun way for students to learn the University of Guelph campus.
- Used Flutter for application development to support both Android and IOS applications.

GeoJobSearch | *React, Springboot, Python, MySQL*   *Jan 2024 - Mar 2024*
- Built an interactive job search application that displays scraped job data to a google map API.
- Used React to create an interactive display for nearby jobs and allows for easy access to apply.

WORK EXPERIENCE

Customer Service Representative – Making Waves Swim School   *Mar 2024 - Present*
- Troubleshooted customer issues with account, online policies, registration, and payments.
- Scheduled, edited, and managed operations side for the classes.
- Ran and analyzed sales reports in order to better create and find sales opportunities.

International Ambassador - Waterloo Catholic District School Board   *May - Jul 2023, 2024, 2025*
- Worked with exchange students with various cultures and levels of English.
- Programmed events throughout the day and supervised/organized large trips including bus scheduling.

Assistant Manager – Landmark Cinemas   *Oct 2021 - Oct 2022*
- Developed skills in leadership, management, organization, and projection.
- Managed employees, created/ingested playlists, dealt with projection issues and ensured guest satisfaction.