Bradley Herrera Contreras

(519) 573-6105 | b2herrer@uwaterloo.ca | www.bradleyhc.com | bradleyhrc | bradleyhc

Skills

Programming	Python, JavaScript, TypeScript, C++, SQL, R, HTML/CSS
Languages	English (Native), French (Fluent), Spanish (Fluent)
Libraries/Tools	Git, Pandas, React, Next.js, Node.js, Numpy, Matplotlib, Gatsby, Material UI, SASS, Power BI

Leadership

Frontend Developer 🔗
HACK THE NORTH — *Waterloo, ON* — *Mar. 2023 – Present*
- Building the Hack the North website and hacker dashboard using **React** and **TypeScript** for over **3,000 hackers**.

Full Stack Lead
WATERLOO TECH+ — *Waterloo, ON* — *Jan. 2023 – Present*
- Redesigning a **Python** program to match over **40 students** every term with mentors based on common interests.

Lead Developer
WATERLOO DATA SCIENCE CLUB — *Waterloo, ON* — *May 2022 - Jan 2023*
- Founded the Development Team to build technical community projects **increasing student engagement by 30%**.
- Led a team of **7 developers** in the creation of a modern website and Discord Bot to boost social media interactions.

Vice President of Finance
WATERLOO DATA SCIENCE CLUB — *Waterloo, ON* — *Aug 2021 - Jan 2022*
- Strategically **reallocated over $2,500** in spending to successfully organize a Club hackathon with over **50** participants.
- Delivered clear and efficient financial reporting which **improved stakeholder satisfaction by 40%**.

Projects

Waterloo Data Science Club Website 🔗
- Designed and built the club website using **React** and **Next.js** while leveraging **Git** for version control across the team.
- Accelerated team information and media updates by **50%** using **JavaScript** to dynamically cast data onto website.
- Automated media feed by developing scripts using the **YouTube Data API** which **eliminated need for maintenance**.

Interactive Glucose Visualization Dashboard 🔗
- Developed the pre-processing of over 2 years of Type 1 Diabetes glucose data using **Python Pandas**.
- Created an **interactive dashboard** including 3 plots, 1 interactive table, and 2 search widgets using the Panel library.

Experience

Software Engineering Intern
ARCTURUS NETWORKS — *Remote* — *May 2023 - Aug 2023*
- Incoming on the Embedded Machine Vision team.

Performance Analyst
DESJARDINS — *Remote* — *Jan 2022 - Apr 2022*
- Performed **exploratory data analysis** on over 20 large-scale datasets to analyze and quantify business performance.
- Shared over **10 scripts** in **SQL** and **SAS** to automate and simplify data manipulation for the team.
- Delivered 10 presentations, clearly **communicating quantifiable business intelligence** to stakeholders.

Office Associate
DESJARDINS INSURANCE — *Kitchener, ON* — *May 2021 - Aug 2021*
- Acquired and managed over **$40,000 in revenue** among new business contacts.

Education

University of Waterloo & Wilfrid Laurier University
BACHELOR OF COMPUTER SCIENCE & BACHELOR OF BUSINESS ADMINISTRATION — *Waterloo, ON* — *2020 - 2025*
- Relevant Coursework: Data Structures, Algorithms, Object Oriented Software Development, Operating Systems