

Bradley Herrera Contreras

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Skills

Programming Python, JavaScript, SQL, R, C++, 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

Lead Developer

WATERLOO DATA SCIENCE CLUB

Waterloo, ON

May 2022 - Present

- Founded the Development Team to build technical community projects **increasing student engagement by 50%**.
- 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**.
- Implemented **Material UI**, **SASS**, and **React components** in design decisions to contribute **high quality code**.

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.
- Configured project environment in **GitHub** to deploy web application using **Heroku**, providing online access for users.

Portfolio Website 🗄️

- Built portfolio website using **React**, focusing on the **user experience** while browsing.
- Improved security by implementing **Gatsby** to build site statically.

Experience

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.
- Built over **100** new, long-term points of contact with clients, delivering long-term profitability.

Customer Service Representative

DESJARDINS INSURANCE

Kitchener, ON

Jun. 2018 - Apr. 2021

- Gained in-depth knowledge of the Finance & Insurance industry while resolving customer accounts directly.

Education

University of Waterloo & Wilfrid Laurier University

BACHELOR OF COMPUTER SCIENCE & BACHELOR OF BUSINESS ADMINISTRATION

Waterloo, ON

2020 - 2024

- Ontario **French Bilingual Certificate** (2020)
- Relevant Coursework: Data Structures and Algorithms, Object Oriented Software Development, Statistics
- UW President's Scholarship of Distinction, Waterloo County Scholarship, Governor General's Award