Bradley Herrera Contreras

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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** script to match over **40 students** with mentors to facilitate relationships with mutual 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**.
- 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.

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.

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, Algorithms, Object Oriented Software Development, Operating Systems
- UW President's Scholarship of Distinction, Waterloo County Scholarship, Governor General's Award