Bradley Herrera Contreras

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Skills

Programming	Python, JavaScript, SQL, R, SAS, HTML5, CSS/SCSS
Languages	English (Native), French (Fluent), Spanish (Fluent)
Libraries	Pandas, React, Next.js, Node.js, Numpy, Scikit-learn, Matplotlib, Gatsby, Panel, Material UI
Tools	Git, Power BI, GitHub, Jupyter, Visual Studio Code, RStudio, Excel

Experience

Performance Analyst
Remote
DESJARDINS
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
Kitchener, ON
DESJARDINS INSURANCE
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
Kitchener, ON
DESJARDINS INSURANCE
Jun. 2018 - Apr. 2021

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

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.
- Configured the **YouTube Data API** by developing scripts to **dynamically update** YouTube content from channel.
- Automated the display of club information using **JavaScript** to accelerate future website updates.
- Implemented **Material UI**, **SCSS**, and **React components** in design decisions to contribute **high quality code**.

Interactive Glucose Visualization Dashboard ⧉

- Automated the pre-processing of over 2 years of Type 1 Diabetes glucose data using **Python Pandas**.
- Created an **interactive dashboard** including 3 plots, 1 navigable table, and search tools using the **Panel** library.
- Deployed web application using **Heroku** to provide easy, online access for users.

Personal Website ⧉

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

Education

University of Waterloo & Wilfrid Laurier University
Waterloo, ON
BACHELOR OF COMPUTER SCIENCE & BACHELOR OF BUSINESS ADMINISTRATION
2020 - 2025

- Ontario **French Bilingual Certificate** (2020)
- Relevant Coursework: **Data Structures and Algorithms** (CS 240), **Object-Oriented Software Development** (CS 246)
- UW President's Scholarship of Distinction, Waterloo County Scholarship, Governor General's Award

Leadership

Lead Web Developer
Waterloo, ON
WATERLOO DATA SCIENCE CLUB
May 2022 - Present

- Founded the Development Team and **led 2 developers** to work on technical club projects for the community.

Vice President of Finance
Waterloo, ON
WATERLOO DATA SCIENCE CLUB
Aug. 2021 - Jan. 2022

- Strategically **reallocated over $2,500** in funds to improve stakeholder satisfaction.
- **Managed** all club spending, reimbursements, and financial reporting to ensure financial responsibility.