

# Bradley Herrera Contreras

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## Skills

<b>Programming</b>	Python, JavaScript, SQL, R, SAS, HTML5, CSS/SCSS
<b>Languages</b>	English (Native), French (Fluent), Spanish (Fluent)
<b>Libraries</b>	Pandas, React, Next.js, Node.js, Numpy, Scikit-learn, Matplotlib, Gatsby, Panel, Material UI
<b>Tools</b>	Git, Power BI, Git, 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.