# Bradley Herrera Contreras

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## Skills

| | |
|---|---|
| **Programming** | Python, SQL, R, SAS, JavaScript, HTML/CSS |
| **Languages** | English, French, Spanish |
| **Libraries** | Pandas, Numpy, Scikit-learn, Matplotlib, Tensorflow, Panel, React, Gatsby, Next.js, Node.js |
| **Tools** | Jupyter, Git, Github, Visual Studio Code, RStudio, Power BI, Excel |

## Experience

### Performance Analyst
Desjardins

*Remote*
*Jan. 2022 - April 2022*

- Performed **exploratory data analysis** on over 20 large-scale datasets.
- 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*
*June 2018 - April 2021*

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

## Projects

### Interactive Glucose Visualization Dashboard %
Python, Pandas, Panel, Heroku

- 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 **Panel** library.
- **Deployed web application** using **Heroku**.

### Personal Website %
React JavaScript, Gatsby, HTML/CSS

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

## Education

### University of Waterloo & Wilfrid Laurier University
Bachelor of Computer Science & Bachelor of Business Administration

*Waterloo, ON*
*2020 - 2025*

- Ontario **French Bilingual Certificate** (2020)
- UW President's Scholarship of Distinction, Waterloo County Scholarship, Governor General's Award

## Extracurriculars

### Lead Web Developer
Waterloo Data Science Club

*Waterloo, ON*
*May 2022 - Present*

- Leading a team of 2 developers to create a club website using **React** and **Next.js**.
- **Founded** the Development team to showcase technical data science projects among the community.

### Web Developer
Mathematics Society

*Waterloo, ON*
*May 2022 - Present*

- Building new static website features and improvements to maintain the official Mathematics Society website.

### Vice President of Finance
Waterloo Data Science Club

*Waterloo, ON*
*Aug. 2021 - Jan. 2022*

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