

# Sophia Joseph

Data Scientist

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## Skills

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- Python, Java, HTML/CSS, SQL, R, PHP, Arduino, Flask, React, JavaScript.
- Microsoft Azure, Visual Studio Code, Excel, Eclipse, GitHub, Git, Docker, Tableau, Streamlit, Contentful, Asana.
- **Certifications:** Microsoft Azure Fundamentals (AZ-900), Microsoft Azure AI Fundamentals (AI-900), Microsoft Data Fundamentals (DP-900)

## Experience

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**General Assembly, New York, USA** | *Data Science Immersive Student* September 2023– December 2023

- Enrolled as a dedicated student in the Data Science Immersive program which offers extensive exposure to various Python libraries, providing valuable real-world learning experiences, actively engaging in over 480 hours of comprehensive lessons, hands-on labs, quizzes, and project work.
- **Natural Language Processing Project:** Scraped fitness and nutrition subreddit posts using PRAW API and achieved 97% accuracy in distinguishing posts' origin through NLP and data modeling.
- **Alaskan Bush Pilot Project:** Collaborated with four data scientists to analyze crash factors among Alaskan Bush Pilots and extract valuable insights using NLP, GLM models, and data visualization.
- **Brain Tumor Classifier:** Developed a Convolutional Neural Network with 97% accuracy to classify four brain tumor types in a Streamlit app.

**Statistics Canada, Ottawa, ON** | *Data Analyst (Co-op)* September 2022– December 2022

- Collaborated as a Data Analyst, working with a team to contribute to the organization's mission of providing Canadians with a deeper understanding of their country through the power of statistical analysis.
- Conducted in-depth research on population centers across Canada and executed data analysis and visualization using Excel, ensuring the accuracy and accessibility of vital statistical information.
- Played a key role in automation efforts by developing Python scripts to enhance company efficiency and reduce manual labor, resulting in improved operational productivity, data quality, and resource allocation.

**The Prosperity Project, Toronto, ON** | *Junior Full Stack Developer (Co-op)* May 2022 – August 2022

- Played a pivotal role in website redevelopment for an organization dedicated to assisting women in overcoming the challenges of COVID-19 which involved creating new pages, modifying existing ones, and implementing new features to enhance user experience.
- Successfully resolved website bugs, contributing to a smoother and more efficient user experience, while enhancing the site's visual appeal.
- Improved website navigation by delivering an exceptional user experience, ensuring that users could seamlessly access the information and resources needed during the challenging times of the COVID-19 pandemic.

**Cloverdale Robotics, Surrey, BC** | *Robotics Lab Assistant (Co-op)* May 2021 – August 2021

- Completed several Python projects for a robotics company focused on educating children and teenagers about robotics, coding, and AI.
- Conducted prototype testing and contributed to developing extensive lesson plans for future company use, expanding the organization's project portfolio for future implementation.
- Provided engaging instruction in Python and basic robotics to elementary and middle school students, significantly boosting student retention rates.

## Education

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**Bachelor of Science – Computer Science with Cooperative Education**

September 2018–April 2023

University of British Columbia, Kelowna, British Columbia