

# Evan Switzer

Waterloo, Ontario

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## Skills

**Languages:** Python, R, C#, Javascript, C, React.js, Node.js, Go, HTML/CSS, Java, Lua

**Databases:** MongoDB, MySQL, NoSQL

**Data Analysis and Visualization Tools:** Matplotlib, Seaborn, R Shiny, hvPlot, Power Bi, Pandas, Numpy

**Machine Learning:** Tensorflow, Scikit-learn

**Cloud Platforms:** AWS, Azure, GCP

**Development Tools and Frameworks:** Git, Selenium, Github Copilot, Wordpress, XrmToolBox

## Projects

### Risk Factor Analysis; Farmer Mental Health

2024

- Analyzed farmer mental health survey data in R, investigating risk and preventative factors for various mental health outcomes.
- Modeled multiple regression models and developed visualizations to describe the relationship between risk factors and outcomes.

### NHL First Overall Draft Pick Dashboard

2023

- Developed an interactive Python dashboard for visualizing and comparing NHL draft picks over the past 15 years.
- Utilized HoloViz Panel and Plot to craft dynamic visualizations depicting various key metrics such as goal locations, assists, and points.

### Hack Instead Hackathon: Visa-Free Map

2020

- Collaborated in a team to develop an interactive website using React.js and Node.js, showcasing required visas for travel destinations.
- Utilized Python and Selenium to scrape data and store them in a MongoDB database.

## Work Experience

### Graduate Teachers Assistant | University of Guelph

2023 – 2024

Guelph, Ontario

- STAT\*2040\*DE Statistics 1
- STAT\*2120 Probability and Statistics for Engineers
- R Statistics Software Drop-In Labs

### Microsoft Power Platform Developer | Leasepath

2021 – 2023

Burlington, Ontario

- Employed C# and JavaScript to tailor plug-ins and model-driven apps to meet client requirements.
- Developed, revised, and managed multiple solutions using Microsoft Power Apps.
- Engaged in an agile work environment, contributing to sprint planning and daily stand-ups.

## Education

- Master of Data Science | University of Guelph
- Bachelor of Computing, Minor in Statistics | University of Guelph

September 2023 – August 2024

September 2016 – April 2021

## Certifications

- Microsoft Power BI Data Analyst Associate
- Microsoft Power Platform Developer Associate

June 2022

September 2022