

# Jasmine Sun

[jl2sun@uwaterloo.ca](mailto:jl2sun@uwaterloo.ca) | [linkedin.com/in/jsunn/](https://www.linkedin.com/in/jsunn/) | [github.com/papercane](https://github.com/papercane)

## Education

### University of Waterloo

Sep 2022 – Present

*Bachelor of Mathematics in Statistics, Computing Minor, Combinatorics and Optimization Minor*

- Relevant Courses: Object-Oriented Software Development, Sampling and Experimental Design, Computational Statistics and Data Analysis, Computer Applications in Business: Databases

### Watspeed

*Foundations of Data Science Certification Course One*

Aug 2024

- Completed 12-week University of Waterloo course developing strong foundation in SQL, Python, and Jupyter Notebook

*Statistics for Data Science Certification Course Two*

Mar 2025

- Completed 12-week University of Waterloo course developing a strong foundation in statistical analysis such as using time series, Logic Regression, Causal Inference, bootstrapping etc.

## Projects

**Drivers of Electric Vehicle Prices** | *Jupyter Notebook, Python, Pandas*

Aug 2024

- Developed model predicting electric vehicle prices using key factors such as acceleration, charging speed, and battery life to gain insight into the electrical vehicle market
- Leveraged **RandomForestRegressor** machine learning algorithm on Electric Vehicle Database, achieving a **R-squared** score of over 0.9
- Created graphs using Matplotlib to present insights between the correlation between variables and the feature importance of the Random Forest Classifier

**RAIINET** | *C++, XWindow*

Dec 2023

- Worked closely with a team of three to develop a two-player Battleship inspired game, incorporating unique abilities to aid in uncovering the location of opposing units
- Utilised **object-oriented programming principles** as well as **decorator and inheritance design patterns** to effectively implement all player abilities
- Formulated and planned out the **Unified Modeling Language** for the coding project, creating a comprehensive visual representation of the system architecture and design

## Experience

### Administrative Assistant

Scarborough, ON

*Vietnamese Association Toronto*

May 2023 - July 2023

- Managed and organised company documents using **Excel**, ensuring accurate and efficient data entry to client information
- Directed the restructuring of an outdated and disorganised document storage system, implementing a more logical and accessible filing process, which **improved workflow efficiency**

### Lifeguard/Instructor

Markham, ON

*City of Markham*

Sep 2021 - Apr 2023

- Demonstrated collaborative skills and diligence by overseeing up to 100 swimmers and water activities at once, maintaining a secure and accident-free environment
- Provided exceptional customer service by answering questions and assisting guests with various needs, resulting in a 95% satisfaction rating from pool guests

## Technical Skills

**Programming Languages:** Python, SQL, R, C++, HTML/CSS, Java

**Developer Tools:** Excel, Vim, Jupyter Notebook, Git, Linux

**Language:** English, Mandarin, French, American Sign Language

**Interests:** Swimming, Acapella, Art, Cheese