Grady Palfrey

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# Objective

I am a self-driven and hard-working student currently completing my Computer Engineering degree at Queen's University. I have experience in C, Python, Java and JavaScript as well as in Machine Learning and Web Development. I am currently looking for a 2021 summer internship position to better my skills in the field of software development.

# EDUCation

**BACHELOR OF APPLIED SCIENCE**

**Computer Engineering at Queen’s University | Expected Graduation 2023**

* Classes include Object-Oriented Programming, Data Structures, Data Analytics, Computer Architecture
* Queen’s Engineering Dean’s Honour List

**HIGH SCHOOL**

**West Vancouver Secondary School, West Vancouver | Graduated 2019**

* International Baccalaureate Certificate

# ClubS

**QUANTT |** *09/2020 to Current*

**Queen’s University | Kingston, Ontario**

* *Queen’s University Algorithmic Network and Trading Team* is a quantitative finance club that focuses on researching, designing and developing trading algorithms.

**PIZZA WITH A PURPOSE |** *09/2017 to 06/2019*

**West Vancouver Secondary School | West Vancouver, British Columbia**

* Co-leader of the club which focused on creating a safe and enjoyable lunch time environment while donating pizza lunch profits to local charities. Tasks included meeting scheduling, member management and order logistics.

# Employment History

**TOURNAMENT MANAGEMENT |** *06/2019 to 08/2019*

**Stanley Park Open Tennis | Vancouver, British Columbia**

* Managed tournament matches and court status and conditions. This included checking in athletes, scheduling games and preparing courts.

**MAINTENANCE |** *05/2018 to 12/2018*

**Maple Leaf Garden Center | West Vancouver, British Columbia**

* Tasks included inventory and property management as well as customer help.

# Projects

**AUTOMATED TRADING ALGORITHM**

* As a team, created an asset trading algorithm that uses Arima Time Series Forecasting and the Natural Language Processing of news headlines to determine when to buy and sell different stocks written in Python.

**SORTING VISUALIZER**

* Sorting Visualizer built with JavaScript, P5.js library, HTML and CSS. Sorting algorithms include Bubble Sort, Quick Sort and Merge Sort.

**FUEL LEVEL SENSOR PROGRAMMING**

* Installed and programmed flow sensor for the Queen’s BAJA racing team. Used the Arduino programming language to communicate with a microcontroller to output fuel level and efficiency statistics.

**PRESIDENTIAL ELECTION PREDICTION**

* Data Analytics report focusing on experimenting and implementing the best machine learning algorithms to predict the winner of the presidential election. These models were based of word occurrences during presidential speeches.

# Awards and Acknowledgements

* Queen’s Engineering Dean’s Honour List
* BC Achievement Scholarship
* International Baccalaureate Certificate, West Vancouver Secondary School
* Honours with Distinction, West Vancouver Secondary School
* UBC Leadership Certificate