**ANDREW SIQUEIRA**

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# PROFESSIONAL PROFILE: New graduate with sufficient background and knowledge in Data Science and Analytics, Object Oriented Programming, Software/Web App Development, and Databases. Very adept at managing relationships at all levels. Ability to provide support and work in partnership as well as work independently with minimum supervision.

# PROFESSIONAL EDUCATION AND PROFICIENCIES:

**Bachelor of Applied Science**

**Major in Applied Statistics, Minor in Economics and Mathematics/CS**

*University of Toronto*

* **Relevant Coursework:** Regression Analysis, Machine Learning, Financial Economics, Data Structures and Analysis, Experimental Design, Linear Algebra, Software Design/Development, Object Oriented Programming, Web App Development
* **Data Analysis and Research:** Former data analyst at Bank of Canada. Executed research projects from start to finish including data cleanup, visualization, statistical analysis, and report building
* **Software/Web Development:** Project experience designing and developing software programs and web apps through academic and online courses.
* **Communication:** Experience presenting the findings of my projects in both formal and informal settings
* **Coding:** Professional proficiency in Python, SQL, HTML, CSS, Java, JavaScript + React + Node.JS + AngularJS, C#, GitHub, Docker/Kubernetes, .NET

# WORK EXPERIENCE

**Data Analyst (Contract)** July 2020 – December 2020

*Bank of Canada*

* + Utilized internal and publicly available data to identify key areas in which the BoC could improve operational efficiency
    - Analyzed Canadian COVID data to provide recommendations on WFH and return-to-work policies
    - Developed a visualization tool in Power BI to track the financial performance of the BoC during the pandemic
  + Created reports using R and Python and SQL to depict trends in COVID-19 cases as well as departmental productivity

**Software Developer Projects** January 2021 - Present

***Personal and Academic Projects***

* Created and developed various software programs and web apps using Python, Java, HTML, CSS, JavaScript + React
* Collaborated with classes and OOP concepts such as Inheritance, Abstraction, Encapsulation and Polymorphism as well as implemented efficient algorithms and data structures

***Onitama Board Game in Java***

* Developed an Onitama board game application program using Java from scratch

***Ride Sharing Simulation in Python***

* Developed a Ridership sharing service simulation program using Python from scratch

***Portfolio Website***

* Developed my own portfolio website using HTML, CSS and JavaScript
* Focused on the front-end development for learning purposes and to share my experiences

***Robofriends Website Development*** In progress

* Developed a simple website called Robofriends using HTML, CSS, JavaScript and React
* Simple app only focusing on the front-end development for learning purposes

***E-Commerce Website*** In progress

* Developed a user-friendly e-commerce website using HTML, CSS, JavaScript + React + Node.JS and PostgreSQL/MongoDB database
* More advanced website implementing both the front-end and back-end developments as well as the server and database

**Research Assistant** October 2019 – February 2020

*University of Toronto* *– Centre of Student Engagement*

* Analyzed data (both quantitative and qualitative) from Ontario high school students to develop a recommendation for a program that would ease transition of students to the post-secondary level
* Applied regression techniques and hypothesis testing (in R) to determine which group of students would benefit most from the program based on socioeconomic, geographic, and cultural characteristics

# ADDITIONAL PROJECTS:

**Pedagogic inquiry into active learning spaces** May 2020 – August 2020

*Research Opportunity Program,* *University of Toronto*

* + Cleaned anonymized survey data from students to investigate effects of active learning spaces on performance and learning experience
  + Conducted statistical analysis in Python/R using regression, documenting findings in an academic research paper

**Quantitative Analyst** January 2020 – April 2020

*Algo Trade (UTM Society of Algorithmic Modelling),* *University of Toronto*

* Collaborated with my team to build a fully automated stock trading algorithm in R and Python
* Using publicly available financial data, developed a model that achieved a success rate of greater than 50% in predicting stock prices

# INTERESTS:

Data Analysis and Data Science, Finance and Banking, Fitness and Music, Mathematics, Statistics, Programming and Software/Web Development

References Available Upon Request