Andy Vu

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EDUCATION

University of Toronto School of Continuing Studies, Toronto, ON   May 2023 - October 2023
Financial Technology Boot Camp
- Completing a 24-week Financial Technology Boot Camp focused on financial fundamentals, blockchain and cryptocurrency, machine learning applications in finance, and programming and financial libraries.
- Developing a strong understanding of cutting-edge financial technologies and their applications in the financial industry through rigorous coursework, hands-on projects, and collaborative team work.

University of Toronto (St. George), Toronto, ON   September 2018 - August 2022
Honours Bachelor of Science with Specialization in Mathematics and Statistics
- Graduated **with Distinction** (3.22 CGPA).
- **Relevant coursework** include Methods of Data Analysis, Theory of Statistical Practice, Methods for Multivariate Data, Methods of Applied Statistics, and Time Series Analysis.

EXPERIENCE

Extracurricular

University of Toronto Vietnamese Students' Association, Toronto, ON   September 2018 - April 2022
General Member
- Actively participated in monthly social, academic and cultural events organized by the club.
- Contributed to the success of the IGNITE XXII and IGNITE XXIII cultural shows, **placing second** in IGNITE XXII.
- Awarded the **Most Engaged Member** recognition for exceptional contributions and active participation in the club.

PROJECTS

Check First   September 2023
Machine Learning Project (Python, GitHub)
- Collaborated with three peers on a Machine Learning project to create an application aimed at using advanced models to assess the risk of common health diseases, with a particular focus on Chronic Obstructive Pulmonary Disease and Dementia.
- Extensive use of the `scikit-learn` package to preprocess the data as well as train, test and evaluate machine learning models utilizing support vector machine, k-nearest neighbors, ensemble-based methods and naive bayes algorithms.
- Employment of the `tensorflow` package to train and test a sequential neural network deep learning models.

Analyzing the Gateway to Vaping   December 2021
Data Analysis Report (R)
- Wrangled survey data collected through The Canadian Tobacco and Nicotine Survey with the `tidyr` and `dplyr` packages.
- Summarized and visualized the data with tables and plots with the `ggplot2` package.
- Executed the Propensity Score Matching method to determine the factor that affects the probability of trying vaping for the first time.

SKILLS

R (dplyr, ggplot2, forcats, tibble), **Python** (pandas, scikit-learn), **SQL, Java**, **HTML & CSS**, **Markdown**, **LaTeX**, **Git/GitHub**, **Microsoft Office** (Word, Excel, Outlook, Powerpoint, OneNote, Forms, Access)