# 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 - November 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)