

Andy Vu

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EDUCATION

University of Toronto School of Continuing Studies, Toronto, ON

May 2023 - October 2023

Financial Technology Boot Camp

- Completed a 24-week Financial Technology Boot Camp focused on financial fundamentals, blockchain and cryptocurrency, machine learning applications in finance, and programming and financial libraries.
- Developed 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

Blockchain Car Marketplace

October 2023

Blockchain Project (Solidity, Python, GitHub)

- Collaborated in a team contributing to the creation of a car marketplace on the Ethereum blockchain, taking the lead in implementing machine learning functionalities.
- From a dataset of 4000+ used cars, cleaned, encoded, and evaluated models using the **pandas** and **scikit-learn** package, ultimately selecting the Gradient Boosting Regressor for its superior performance.
- Developed an Ethereum Smart Contract backend and implemented functionalities for minting NFTs, facilitating ownership transfers, and enabling users to effortlessly list, query, and purchase cars through an intuitive Streamlit interface.

Check First

September 2023

Machine Learning Project (Python, GitHub)

- Initiated and guided a collaborative effort with three peers in 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.

SKILLS

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