



VU CHAU

DATA ANALYST & MACHINE LEARNING SPECIALIST

PORTFOLIO

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Novice
- Vietnamese - Native

ACHIEVEMENTS

- Machine Learning with Python course at Aalto University (December 2020).
- Big Data Platforms course at the Open University of Helsinki (October 2020).
- Functional Programming I course at the Open University of Helsinki (October 2020).
- Introduction to Programming course at the Open University of Helsinki (August 2020).
- Data Analysis with Python course at the Open University of Helsinki (May 2020).
- Elements of AI: Introduction to AI course at the Open University of Helsinki (August 2020).
- Learn Web Scraping with BeautifulSoup Course at the Codecademy (May 2020).
- How to Clean Data with Python Course at the Codecademy (May 2020).
- Learn Statistics with Python course at the Codecademy (May 2020).

PROFILE

Vu is a multitasking Data Analyst and Data Engineer who is passionate about Machine Learning and Computer Vision. He has gained a Master's degree in Finance and more than a year of working experience in the field. Vu has also worked directly with customers where he gained exceptional communication skills resulting in acknowledgment from his teammates. In his recent work, Vu successfully combines all of his strengths to obtain meaningful insights and produce products of high standards.

RECENT PROJECTS

WHO Life Expectancy

python, Matplotlib, Pandas, Scikit-learn, XGBoost

A group project with objective to obtain insight from life expectancy related factors, and to provide a fully report of WHO Life Expectancy Dataset from EDA, regression, classification, clustering, and semi supervised learning.

Data Analysis with Dask

Python, Dask, Plotly

A group project with the objective to obtain insight about flight delay reasons and related factors. The workload consisted of cleaning, tidying, and analyzing a large dataset related to the US flight information in 2019 and 2020.

Movie Review Classification

Python, nltk, Scikit-learn, Keras, Doc2Vec, Word2vec

A personal project and part of self-education with goal of classifying positive and negative movie reviews and making a comparison of several classification models such as Logistic Regression, Naive Bayes Classifier for Multinomial Models Linear.

IMDB Rating Prediction

Python, Numpy, Pandas, Scikit-learn, Seaborn

A personal project and part of self-education with the objective of predicting the IMDB score of movies with different regressors. The additional goal of the project was to find a model with at least 70% accuracy.

Yelp's API Data Analysis

Python, API Requests, BeautifulSoup, Folium, Plotly, Ipywidgets

A guided project that consists of retrieving available information from Yelp, a crowd-sourced business review platform. This focus on the project is on analyzing the data for all restaurants located in Finland.

SKILLS

Programming Languages: Haskell, Java, Python.

Data Analysis: Dask, NumPy, Pandas, SciPy.

Web Scraping: API Requests, BeautifulSoup.

Data Visualization: Folium, Matplotlib, Plotly, Seaborn.

Database Management: SQL, SQLite.

Machine Learning: Keras, Scikit-learn, TensorFlow, XGBoost.

Version Control: Git, GitHub.

EXPERIENCE

Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | October 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scraping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dwelled into Deep Learning and Computer Vision.
- Handed Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

Housekeeper and Service Instructor

SOL Palvelut Oy | Helsinki, Finland | August 2017 - Present

- In addition to various cleaning duties, guided and instructed new employees.
- Maintained and improved customer relationships.

Chief Accountant Assistant - Internship

Thua Thien Hue Lottery Company | Hue, Viet Nam | May 2016 - August 2016

- Monitored and recorded daily transactions.
- Addressed and reported potential misstatement or misplaced entries.
- Classified documentation.
- Prepared analysis reports.

Credit Advisor - Internship

Vietnam Bank for Agriculture and Rural Development | Da Nang, Viet Nam | January 2013 - April 2013

- Analyzed credit risk.
- Prepared client reports for the Head of the Credit Department.
- Maintained and improved customer relationships.

EDUCATION

M.B.A. in Financial and Management Accounting

University of Oulu | Oulu, Finland | September 2015 - April 2019

B.B.A. in Finance and Banking

FPT University | Hanoi, Viet Nam | Sep 2010 - May 2014