



NHU NGUYEN

DATA ANALYST & MACHINE LEARNING SPECIALIST

PORTFOLIO

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Novice
- Vietnamese - Native
- Chinese - Intermediate

ACHIEVEMENTS

- Google Analytics for Beginner, Google Analytics Academy (February 2021).
- Data Science course, Codecademy (September 2020).
- Programmable Marketing Basics, Google Academy (February 2019).
- The Fundamental of Digital Marketing, Google Digital Garage (January 2019).
- Responsive Web Design, freeCodeCamp (September 2018).
- Worked as a Social Media Officer in Turku for a Design Hackathon event, which is organized by BoostTurku.
- Participated in the Business Me event organized by Turun AMK.
- Went on an international exchange, organized by Aiesec Ho Chi Minh, in the Philippines.

PROFILE

Nhu is a business-minded Data Analyst with a passion for all things digital and data-driven. Formerly, she has earned a Master's degree in Global Innovation Management in addition to her working experience in different professional environments. Most notably, she has worked in the startup environment. To complement her current technical expertise, Nhu is expanding her knowledge of Web Development and Cloud Computing. The combination of her background, current abilities, and future aspirations make her a strong fit for cross-functional and agile teams.

RECENT PROJECTS

Organoid Image Analysis

Scikit-image, Numpy, Pandas

The objective of this project is to recognize and separate organoids cells from microscope photos with scikit-image, and perform data analysis with Numpy and Pandas.

Predicting the Obesity Levels

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A team project to apply supervised and unsupervised machine learning techniques when predicting the obesity level of individuals from the countries of Mexico, Peru and Colombia, based on their eating habits and physical condition.

Tori.fi Web Scraping

BeautifulSoup, Pandas, Plotly

In this project, the price range of second-hand cars was analysed based on various factors such as car age, fuel types, mileage, and brand names. The needed data for this project is scraped from Tori.fi website and the outcome of this project can be used by various agents to support purchasing decision-making.

Blue Chip Tech Stocks' Performance Analysis & Visualization

Matplotlib, Numpy, Pandas

In this project, the performance of the top five blue-chip stocks was analyzed for the six-month period between January 2019 - June 2019. Each stock was interpreted under different indicators (e.g. daily rates of return, mean rates of return, stock price variance & standard deviation, and market correlation). Then, a visualization technique is applied to map all five stocks together subsequently to each indicator. The final results indicated a thorough comparison of the similarities and differences between the five blue-chip securities.

Iowa State's Net Liquor Sales Analysis

Dask, Matplotlib, Pandas, Plotly

This project was successfully implemented with team effort. In this project, net sales of alcoholic beverage in Iowa state was analyzed using the data set provided by Kaggle. Furthermore, in dealing with such a large dataset, Dask was applied to handle the big data and simultaneously achieve faster code with lower memory use.

Last.fm Web API

Numpy, Pandas, Plotly, Seaborn

The aim of this project was to explore further the music genre profiles on Last.fm. In collecting required data, web API was used to extract data from Last.fm website. Then, Exploratory Data Analysis (EDA) technique was applied to gain better understanding of different variables (e.g., top artists, artist origin, and top albums), detect outliers and identify possible patterns within the data.

SKILLS

Programming Languages: Python.

Data Analysis: Dask, Numpy, Pandas.

Data Visualization: GRASS, Plotly, Seaborn, Tableau.

Database Management: PostgreSQL, SQL.

Machine Learning: Keras, Scikit-learn, Tensorflow.

Web Scraping: BeautifulSoup

Web Development: CSS, CherryPy, HTML.

UX / UI: Adobe XD, Sketch.

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.

Restaurant Staff

Meilin Oy | Helsinki, Finland | September 2019 - Present

- Served guests and delivered food and beverages.
- Took orders and proceeded with payments.
- Assisted customers by providing information and resolving any complaints.
- Worked in a fast-paced setting and multi-tasking.

Housekeeper and Team Leader

N-clean Oy | Turku, Finland | September 2016 - August 2019

- Supported receptionists in bringing the best services to customers.
- Managed inventory of necessary supplies.
- Performed a variety of cleaning activities.
- Ensured all rooms are cared for according to the company's standards.

Project Coordinator

Epsilon Mobile Ltd. | Ho Chi Minh city, Vietnam | May 2014 - July 2015

- Coordinated project management activities, resources, equipment, and information.
- Maintained the social media presence across all digital channels.
- Assigned tasks to internal teams and assisted with schedule management.
- Produced documents, briefing papers, reports, and presentations.

Restaurant Management Assistant

Universal Food Creation Ltd. | Ho Chi Minh city, Vietnam | September 2013 - March 2014

- Wrote and optimized content for the website and social networking accounts such as Facebook and Instagram.
- Developed and managed marketing campaigns on several food review websites (Foodie, Tripadvisor, etc).
- Adhered to company standards and service levels to increase sales and minimize costs, including food, beverage, supply, utility, and labor costs.
- Responsible for ensuring that all financial (invoices, reporting) and personnel/payroll.

EDUCATION

M.Sc. in Global Innovation Management

University of Turku | Turku, Finland | September 2015 - July 2018

B.B.A. in International Business and Economics

Foreign Trade University | Ho Chi Minh, Vietnam | September 2010 - May 2014