



THUONG NGUYEN

DATA ANALYST & MACHINE LEARNING SPECIALIST

PORTFOLIO

[LINKEDIN](#)

[GITHUB](#)

LANGUAGES

- English - Fluent
- Finnish - Intermediate
- Vietnamese - Native

ACHIEVEMENTS

- API and Web Scraping in Python, Dataquest.io (December 2020).
- Storytelling Through Data Visualization, Dataquest.io (December 2020).
- Elements of the Command Line, Dataquest.io (October 2020).
- Functions: Advanced Course, Dataquest.io (October 2020).
- Git and Version Control, Dataquest.io (October 2020).
- Responsive Web Design, Free Code Camp (July 2020).
- SQL server toolbox skills track, DataCamp (May 2020).
- Data Analyst Career Track with SQL Server, DataCamp (May 2020).

PROFILE

Thuong is a passionate Data Analyst and Data Engineer whose strengths also include Machine Learning. She has vast working experience in multiple industries with a highlight of more than three years in Supply Chain. She has also earned a Master's degree in Economics. Combined with her background, her current technical expertise enables Thuong to connect the dots between business strategy and end product. In her recent work, she successfully utilizes this ability to gain a deeper understanding of the problem at hand to finally implement the most viable solution.

RECENT PROJECTS

YouTube API - Finland Videos 2020

Google Console, HTML, Pandas, Plotly, youtube_api.

A project completed individually. Firstly, a model was built to obtain the dataset by youtube_api in Python. The information about Finland was then gathered from 2,240 Youtube videos in 2020, followed by a comprehensive data analysis to increase views for content creators and extract insights about the viewers in Finland.

Web Scraping Medium Publication & Analysis

Beautiful Soup, HTML, Numpy, Pandas, Plotly Express, Requests

For this individual project, a model was successfully built on Python to scrape the main information of any publications available on Medium. After that, the model was applied to extract 1,566 articles on Towards Data Science in December 2020. The scraped data was then analyzed to reveal insightful messages for the writers and audience.

Findex Mobile Money

Matplotlib, Pandas, Plotly

For this collaborative project at Integrify completed in a team of three, the personal contribution consisted of cleaning the data and performing analysis on Global Findex Mobile Money, which is the financial indicator of Mobile Money, from Findex dataset.

Big Data UK Housing

Dask, Pandas, Plotly

In collaboration with a team at Integrify, big data from >20 mil to 4.8 mil data points about UK housing price were extracted and then analyzed.

SKILLS

Programming Languages: Matlab, Python, SQL.

Data Analysis: Dask, Numpy, Pandas, Power BI, Scipy, TextBlob.

Web Scraping: API Requests, BeautifulSoup, Selenium.

Data Visualization: Folium, Matplotlib, Plotly, Seaborn, Wordcloud.

Database Management: Microsoft SQL Azure, Microsoft SQL Server, PostgreSQL.

Other: CSS, Docker, ERP SAP, Excel Macro, HTML, SAS, Stata, Streamlit.

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 dived into Deep Learning and Computer Vision.
- Handled 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.

Counter Employee (part-time)

HMSHost Finland Oy | Vantaa, Finland | November 2018 - March 2020

- Managed a variety of tasks in the kitchen to assist the chef under high pressure.
- Provided excellent customer support as needed and tackled daily cash balancing operations.
- Utilized various technological tools like Oracle Micro and SAP SuccessFactors to optimize the workflow.

LUT University International Tutor (project work)

Lappeenranta University of Technology | Lappeenranta, Finland | March 2018 - December 2018

- Represented the university to greet the exchange students.
- Introduced 4 international tutees to the campus, study program, and local culture adaptation.
- Demonstrated good oral communication skills, punctuality, and practical knowledge about Lappeenranta and LUT.

Procurement Team Lead

Phung Vinh Hung Paper JSC | Ho Chi Minh, Vietnam | March 2013 - September 2015

- Managed a portfolio of ~150 SKUs provided by ~ 30 international suppliers.
- Analyzed sourcing data for periodical reporting and sourcing strategy, which considerably bolstered the contract negotiation process.
- Adjusted contract and conducted payment for procurement (with banks and beneficiaries).
- Cooperated with different functions to ensure smooth operation and business growth.
- Demonstrated technical competencies in utilizing Excel (pivot table), Outlook, and company's self-developed ERP systems.

Procurement Executive

Phung Vinh Hung Paper JSC | Ho Chi Minh, Vietnam | March 2012 - February 2013

- Maintained long-term relations with suppliers with exceptional communication skills.
- Revamped operational tasks to support the team lead with the proficient use of Excel and Outlook.

EDUCATION

M.Sc. in Economics

Lappeenranta University of Technology | Lappeenranta, Finland | August 2016 - March 2020

B.A. in Economics

Foreign Trade University | Ho Chi Minh, Vietnam | August 2007 - April 2011