

Viet The Nguyen

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Education

Technique University of Munich

MSC. IN DATA ENGINEERING AND ANALYTICS

Current grade: 1.7

Munich, Germany

Oct. 2021

Frankfurt University of Applied Sciences

B.S. IN COMPUTER SCIENCE AND ENGINEERING

German Grade: 1.3 [\[link\]](#)

Frankfurt, Germany

Sept. 2015 - Sept. 2019

Vietnamese - German University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Vietnamese Grade: 9.2/10 [\[link\]](#)

Binh Duong, Viet Nam

Sept. 2015 - Sept. 2019

Bachelor Thesis

A COMBINATORIAL APPROACH TO DIVISORIAL GONALITY

German Grade: 1.5 [\[link\]](#)

2019

Experience

DFKI, Interactive Machine Learning Department [\[link\]](#)

RESEARCH ASSISTANT

- Research on Automated Machine Learning techniques: Neural Architecture Search (NAS).
- Research on interpretable techniques for Deep Learning models
- Part of Ophthalmology-AI project [\[link\]](#)

Saarbrücken, Saarland

March 2022 - Present

Snackhouse, Vietnam

BACKEND DEVELOPER

- Implemented database for warehouse system (MongoDB)
- Implemented APIs for warehouse system and ordering service (ExpressJS, NodeJS)

Ho Chi Minh, Vietnam

Nov 2020 - Present

Knorex, Singapore

DATA SCIENCE INTERN

- Researched on Machine Learning in NLP for digital marketing (Random Forest, Convolutional Network)
- Implemented [Smart Pacing](#) algorithm for controlling budget spending process
- Main framework used: Pytorch
- Performed data analysis in AI components with BigQuery

Ho Chi Minh, Vietnam

Aug 2020 - Nov 2020

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SOFTWARE ENGINEER

- Maintained on-boarding applications of Swiss banks (Java 8, JavaServer Faces, PostgreSQL)
- Built automated scripts for deployment jobs (Groovy, Jenkins)
- Implemented REST APIs for digital identification application **UbiID** (Angular 9, Java 8, Spring boot, PostgreSQL)

Ho Chi Minh, Vietnam

Feb 2019 - July 2020

Personal Projects

Facebook Offline Conversion - [\[link\]](#)

FREELANCE, 1 PERSON

- Implemented application for converting shop (raw) data to facebook data (Java 8, Facebook Conversions API)
- Implemented database system (SQL)
- Implemented import and export functions for csv files.
- Implemented simple K-Means algorithm for clustering customers based on buying products (pytorch)

Vietnam

Dec. 2019 - Feb. 2020

Power Grid Simulator - [\[link\]](#)

UNDERGRADUATE

- Was part of a PhD project
- Implemented an algorithm to balance the total power supply of generators and total household power consumption (Java 8)
- Implemented console interface of the application (JavaFX)
- Documented parts of the [final report](#).

Vietnam

2018

My Little Shop - [\[link\]](#)

Vietnam

UNDERGRADUATE

2017

- Implemented desktop application that used bar-code scanning for check-in process.
- Implemented web services (Axis2 Web Service) for data processing.
- Designed and implemented database connections (MySQL).

Self-learning Courses

Python for Everybody Specialization [\[link\]](#)

COURSERA

Nov. 2020

- Python 3 data structures, accessing web data, database (SQL)
- Credential ID: A5B82SA9ZW5L

Machine Learning - Prof. Andrew [\[link\]](#)

COURSERA

Sep. 2020

- Basic supervised and unsupervised algorithms in ML

Python for Data Science and AI [\[link\]](#)

COURSERA

Jun. 2020

- Python programming (fundamentals, libraries (NumPy, pandas)).
- Credential ID: 3RS7VZ3FLZ6H

Technical Skills

Programming languages	Python 3, Java 8
Scientific Libraries/Frameworks	Pytorch, NumPy, pandas
Engineering Tools/Frameworks	Spring, JavaFX, React, Angular 8, Redux, Swagger
Version control, Industrial software	Git, Atlassian (Bitbucket, Confluence, Jira)
Documentations/Math simulations	\LaTeX , Wolfram Mathematica

Languages

English	Ielts 7.5 [link]
German	Elementary level (A2)
Vietnamese	Native

Awards

MDSI Master Scholarship

Germany

GRADUATE - TECHNISCHE UNIVERSITÄT MÜNCHEN

Oct. 2021 - Oct. 2022

- Linde scholarship for committed students in MSc. Data Engineering and Analytics

WUS Scholarship

Vietnam

UNDERGRADUATE - FRANKFURT UNIVERSITY OF APPLIED SCIENCES

Sept. 2019

- Scholarship was granted for top 5% CS students of batch 2016-2019

Merit Scholarships

Vietnam

UNDERGRADUATE - VIETNAMESE - GERMAN UNIVERSITY

2016 - 2019

- Annual tuition-fees waiving scholarship for top 5% CS students

DAAD Scholarship

Germany

UNDERGRADUATE - FRANKFURT UNIVERSITY OF APPLIED SCIENCES

Sep. 2017 - Feb. 2018

- Exchange scholarship at Frankfurt University of Applied Sciences