Mai TIEU KHOI

Verona, Veneto, Italy | 1998 | tieukhoimai@gmail.com | https://tieukhoimai.me | www.linkedin.com/in/tieukhoimai

Education

Oct 2023 – Present

Master of Science in Data Science, University of Verona
Verona, Veneto, Italy | Full-time

Department of Computer Science

Oct 2017 – Mar 2022

Bachelor of Science in Mathematics, Vietnam National University - University of Science
Ho Chi Minh City, Vietnam | Full-time

GPA: 8.02/10.0
Faculty of Mathematics and Computer Science | Major: Computer Science
Thesis: Stock-Price Forecasting using STL method based on LSTM | Thesis Grade: 9.5/10

Oct 2016 – Dec 2020

Bachelor in Business Administration, Ho Chi Minh City Open University
Ho Chi Minh City, Vietnam | Full-time

GPA: 3.40/4.0
Top 5 students with the highest scores
The Second Prize of Student Award for Scientific Research 2020 x The Third Prize of Student Award for Scientific Research 2019

Experience

Apr 2022 - Sep 2023

Analytics Project Manager, Fossil Group Inc
- Led analytics section and R&D projects including developing product requirements, wireframes, user flows, and prototypes (e.g. A/B testing, event management system)
- Managed and Planned Data Analyst's resources, timeline, schedules and deliver product analytics to end users.

Data Analyst, Fossil Group Inc
- Designed event tracking for data flow between connected devices (Wear OS and Hybrid) and companion apps.
- Designed and implemented metrics frameworks to track key performance indicators (KPIs), providing valuable insights into user behavior, product performance, customer segmentation and wellness data from wrist-based wearable device.

Aug 2021 – Feb 2022

AI Engineer, Amanotes
- Conducted research on Digital Signal Processing (DSP) topics related to Note Detection.
- Improved real-time piano sound recognition system for mobile devices.
- Implemented spectrograms of musical notes of another instrument to inspect and debug the difference.- Train and improve model performance on octave 4
- Researched, trained, and deployed model by AutoML tool - Vertex AI.

Data Analyst, Amanotes
- Performed statistical and analytical analyses, including correlation between app events, A/B testing, cohort analysis, and aha-moment identification in music game industry.
- Created, implemented, optimized, and maintained data pipeline by GCP, Airflow, dbt
- Redesigned dimensional modeling

Sep 2020 – Aug 2021

Data Analyst, Bosch Global Software Technologies
- Worked closely with Bosch Automotive Products Suzhou in automated driving domains
- Analyzed data in the software development process and automotive radar data
- Configured and maintained a data analytics tools pipeline on Jenkins
- Implemented an automated database, data pipeline, and dashboard on PowerBI.

Mar 2020 – Aug 2020

Quality Management Intern, Bosch Global Software Technologies
- Developed and maintained Excel Macros/VBA Scripts to efficiently automate weekly and monthly reporting.
- Supported internal process audit in software development project that satisfied CMMI and ISO standards
- Maintained action plan trackers and open point trackers
- Kept up-to-date documentation and release plan of Quality Management System

2019 – 2020	**Teaching Assistant, <u>Ho Chi Minh City Open University</u>**

- Assisted students with core concepts and assignments for courses on Application of Statistics in Business and Advanced Mathematics
- Demonstrated proficiency in statistical software packages for business applications

Referred Journal

Vuong, P. H., Dat, T. T., **Mai, T. K.**, Uyen, P. H., Bao, P. T. (2022). Stock-Price Forecasting Based on XGBoost and LSTM. *Computer Systems Science and Engineering*, *40*(1), 237–24

Tieu, K. M., Pham, H. V., Vu, N. T., & Nguyen, P. T. H. (2022). STL Decomposition-based Stock Price Forecasting using LSTM model. *Journal of Data Science and Artificial Intelligence*, *1*(1).

Honors and Awards

Nov 2021	**<u>Second Runner-up in Greenovator Hackathon 2021</u>**

Organizer: Bosch Vietnam & Quang Trung Software City
Description: AirQ4Cast (Air Quality Forecasting) - An AI-based application demo on Android Studio that analyzes and predicts by developing multivariate multi-step time series forecasting models with supplemental factors (tree cover and real-time traffic volume) on the air quality of real-time IoT data and streaming.

Jan 2020 & Jan 2021	**<u>Student with Five Good Merits at Central level 2019 -2020 and 2020-2021</u>**

Organizer: Vietnam National Union of Students
Achievement: Received the commendation from Ministry of Education and Training, People's Committee of Ho Chi Minh City, and Vietnam National Union of Students in 2019 and 2020

Dec 2019	**<u>Third Prize in Business Intelligence Season 4 2019</u>**

Organizer: Shopee & ITB Club - University of Economics and Law
Description: Analyze, and visualize data by Tableau and define and present solutions for issues in Marketing and Management of the e-commerce industry by using ARIMA to predict revenue and using clustering algorithms (K-means and RMF) for customer segmentation.

Activities

Aug 2023	**Participated Summer School in Data Science 2023**

Issuing organization: University of Science (HCMUS) x Vietnam Institute for Advanced Study in Mathematics (VIASM)

May 2022	**<u>Successful Participant of Mathematical Contest in Modeling 2022</u>**

Issuing organization: COMAP – The Consortium for Mathematics and Its Applications

Dec 2020	**Participated Winter School in Essential Math for Data Science 2020**

Issuing organization: Vietnam Institute for Advanced Study in Mathematics (VIASM)

Dec 2020	**Participated Summer School in Mathematics 2020**

Issuing organization: Funded by National Program for the Development of Mathematics by Vietnam Institute for Advanced Study in Mathematics (VIASM)

Certifications

Dec 2021	**Architecting on AWS**

Issuing organization: AWS Training & Certification

Aug 2021	**<u>Data Engineering, Big Data, and Machine Learning on GCP</u>**

Issuing organization: Coursera | Google Cloud

Aug 2021	**<u>Google Data Analytics Professional Certificate</u>**

Issuing organization: Coursera | Google