Mai TIEU KHOI

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Education

Oct 2017 – Mar 2022

Bachelor of Science in Mathematics, University of Science - Vietnam National University Ho Chi Minh City
GPA: 8.02/10.0
Major: Computer Science
Thesis: Stock-Price Forecasting using STL method based on LSTM | Thesis Grade: 9.5/10

Oct 2016 – Dec 2020

Bachelor of Business Administration, Ho Chi Minh City Open University
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, wire-frames, 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, Ho Chi Minh City Open University
- 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

Second Runner-up in Greenovator Hackathon 2021
https://english.thesaigontimes.vn/air-quality-monitoring-led-stickers-win-top-prize-at-greenovator-competition

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

Student with Five Good Merits at Central level for two consecutive years 2019 and 2020
https://hoisinhvientphcm.com/dh-mo-tp-hcm-guong-sinh-vien-5-tot-cap-trung-uong-va-sao-thang-gieng-tieu-bieu-trong-hoc-tap-va-phong-trao-nam-2020/

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

Third Prize in Business Intelligence Season 4 2019
https://www.saostar.vn/sao-hoc-duong/sinh-vien-tp-hcm-gay-can-tim-ngoi-vi-cao-nhat-business-intelligence-6649815.html

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

Successfully Participant of Mathematical Contest in Modeling 2022
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

Data Engineering, Big Data, and Machine Learning on GCP
Issuing organization: Google Cloud

Aug 2021

Google Data Analytics Professional Certificate
Issuing organization: Google