

MAI TIEU KHOI

Email: tieukhoimai@gmail.com | Mobile Phone: (+84) 984 843 920 | Year of Birth: 1998

EDUCATION

- 2017
2022

Bachelor of Science in Mathematics and Computer Science
Viet Nam National University Ho Chi Minh City (VNU-HCM) - University of Science
 - GPA: 8.02/10.0
 - Thesis: Stock-Price Forecasting using STL method based on LSTM | Grade: 9.5/10.0
 - Supervisor: Assoc. Prof. Pham The Bao
- 2016
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

EXPERIENCE

- Apr 2022
Present

Fossil Vietnam
Center for Wearables Research & Development of Fossil Group
 - **Data Analyst**
 - Research, design and build the Customer Segmentation to provide intuitive analytics across the business.
 - Monitor, upgrade and maintain data system to support device's performance.
- Aug 2021
Feb 2022

Amanotes
The #1 music games publisher in the world. The # mobile apps publisher from SEA with 2B+ downloads
 - **AI Engineer** *Sep 2021 - Jan 2022 | 5 months*
 - Research Digital Signal Processing (DSP) topic related to the Note Detections Problems.
 - Apply different DSP techniques to the project by using Python's DSP libraries
 - Implementation spectrograms of musical notes on piano and another simulation tools to inspect and debug.
 - Train and improve model performance across octaves.
 - **Data Analyst** *Aug 2021 - Jan 2022 | 6 months*
 - Perform analyses by statistical & analytical technique involving correlation between app events, A/B testing for business decisions, cohort analysis, aha-moment identify and ad-hoc request from product owners.
 - Creating, implementing, optimizing and maintaining data system pipeline on GCP Big Query.
- Mar 2020
Aug 2021

Bosch Global Software Technologies Viet Nam
Software development center of Bosch in the South East Asia
 - **Software Engineer, Data** *Sep 2020 - Aug 2021 - 1 years*
 - Data collection with different data sources by using web crawling, retrieve data from API.
 - Analyze data in software development process and automotive radar data.
 - Develop, and maintenance of data analytics tools for warehousing
 - Implement an automated database and pipeline on Jenkin and dashboard on PowerBI.
 - **Quality Management Intern** *Mar 2020 - Aug 2020 | 6 months*
 - Development and maintenance VBA to automate weekly and monthly reporting.
 - Support internal process audit in software development project satisfies CMMI and ISO 9001
 - Maintenance of action plan trackers and open point trackers.
 - Keep up to date documentation and release plan of Quality Management System (QMS)

REFEREED 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), 237–246.
<https://www.techscience.com/csse/v40n1/44219>

Tieu Khoi Mai, Pham Hoang Vuong, Vu Ngoc Thanh Sang, Nguyen Phan Thu Hang, Pham The Bao, “STL Decomposition-based Stock Price Forecasting using LSTM model”, Journal of Data Science and Artificial Intelligence, Issue Deep Learning and its applications in healthcare and finance, vol. 1, no. 1, 2022.

LICENSES & CERTIFICATIONS

 Introduction to Computer Science and Programming Using Python 

 Data Engineering, Big Data, and Machine Learning on GCP Specialization 

 Google Data Analytics Professional Certificate 

 Architeching on AWS 

 Succesfully Participant of 2022 The Mathematical Contest in Modeling
<https://www.comap-math.com/mcm/2022Certs/2224305.pdf>

HORNORS & AWARDS

Nov **The Third Prize in Greenovator Hackathon 2021**
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 **Top student with Five Good Merits at Central level**
2021 <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 Student Association
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 **The Third Prize in Business Intelligence Season 4 2019**
2019 <https://saostar.vn/sinh-vien-tv/sinh-vien-tp-hcm-gay-can-tim-ngoi-vi-cau-nhat-business-intelligence-6649815.html>

Organizer: Shopee & ITB Club | VNUHCM - University of Economics and Law
Description: Analyze, 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 customers segmentation.