MAI TIEU KHOI

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

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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 Forcasting 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 maitain data symtem to support device's performance.

Aug 2021
Feb 2022
Amanotes
The #1 music games publisher in the world. The #1 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 maitaining 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 satifies 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)

2017
2019 Ho Chi Minh City Open University
Ranked 13th in Vietnam on the 2nd Webometrics ranking in 2021

● **Teaching Assistant**
  – For the courses Application of Statistics in Business and Advanced Mathematics.
  – Assist students with core concepts, homework and support them to complete their assignments.
  – Be able to handle statistical software packages in an application for business

R E F E R E E D   J O U R N A L

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.

L I C E N S E S   &   C E R T I F I C A T I O N S

edX **Introduction to Computer Science and Programming Using Python** ⤢

coursera **Data Engineering, Big Data, and Machine Learning on GCP Specialization** ⤢

G **Google Data Analytics Professional Certificate** ⤢

aws **Architeching on AWS** ⤢

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

H O R N O R S   &   A W A R D S

Nov
2021 **The Third Prize 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 Forcasting) - 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
2021 **Top student with Five Good Merits at Central level**
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
2019 **The Third Prize in Business Intelligence Season 4 2019**
https://saostar.vn/sinh-vien-tv/sinh-vien-tp-hcm-gay-can-tim-ngoi-vi-cao-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.