

# Mai TIEU KHOI

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## Experience

Apr 2022 - Sep 2023


### **Analytics Project Manager** / *Fossil Group Inc*

Ho Chi Minh City, Vietnam

- Joined Fossil as a Data Analyst, promoted and held a dual role as Analytics Project Manager and Data Analyst in the 2nd year.
- Led and coordinated cross-functional teams to establish an A/B testing workflow, framework, wireframes, and testing mechanisms on IoT device and application platforms.
- Aligned and planned sprint resources (2 Data Analysts), timelines, and schedules for the analytics section in each internal program release.
- Communicated project plans, commitments, and changes to stakeholders.

### **Data Analyst** / *Fossil Group Inc*


Ho Chi Minh City, Vietnam

- Designed event tracking for data flow between IoT-connected devices (Wear OS and Hybrid) and companion apps.
- Implemented metrics frameworks to track KPIs and gain valuable insights into user behavior, device performance monitoring, user segmentation, and wellness data from wearable devices.
- Built tools for Data Quality Monitoring and Self-service Analytics, automating the generation of daily SQL queries on BigQuery and implementing result alerts for quality assurance.
- Managed and published quarterly newsletters on internal Fossil Insights - a self-hosted website using NextJS and Ghost by Data Team.
- Co-organized **Fossil-re Invent sharing session**  series to raise data-driven awareness throughout the organization.

Aug 2021 - Feb 2022

### **AI Engineer** / *Amanotes*

Ho Chi Minh City, Vietnam

- Worked for **Pianify: Piano Lessons**  - the AI-based Piano Tutor.
- Implemented and analyzed spectrograms of musical notes of another instrument.
- Train and improve TensorFlow Lite model for optimized AI performance on mobile devices.
- Researched, trained, and deployed model by AutoML tool - Vertex AI.

### **Data Analyst** / *Amanotes*

Ho Chi Minh City, Vietnam

- Performed statistical and analytical analyses, including correlation between app events, A/B testing, cohort analysis, and aha-moment identification in the music game.
- Developed, optimized, and maintained data pipelines using BigQuery, Airflow, and dbt.
- Automated dashboard creation using Metabase.
- Redesigned dimensional modeling.

Sep 2020 - Aug 2021

### **Data Analyst** / *Bosch Global Software Technologies*

Ho Chi Minh City, Vietnam

- 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 - Sep 2020

### **Quality Management Intern** / *Bosch Global Software Technologies*

Ho Chi Minh City, Vietnam

- Developed and maintained Excel Macros/VBA Scripts to efficiently automate reporting.
- Supported internal process audits in software development projects that satisfied CMMI and ISO.
- Maintained action plan trackers and open point trackers.
- Kept up-to-date documentation and release plan of Quality Management System.

## Education

Oct 2023 – Present	<b>Master of Science in Data Science</b> / <i>University of Verona</i> Verona, Veneto, Italy
Oct 2017 – Mar 2022	<b>Bachelor of Science in Mathematics</b> / <i>VNU-HCM University of Science</i> Ho Chi Minh City, Vietnam  GPA: 8.02/10.0   Major: Computer Science
Oct 2016 – Dec 2020	<b>Bachelor in Business Administration</b> / <i>Ho Chi Minh City Open University</i> Ho Chi Minh City, Vietnam  GPA: 3.40/4.0 - Top 5 students with the highest scores   Major: International Business

## Skills

- **Programming:** Python, Google Apps Script, VBA, NextJS
- **Data Visualization:** Tableau, Microsoft Power BI, Redash, Metabase
- **Cloud Platforms, Services and Database:** AWS (S3, Redshift, Athena), GCP (Firebase, BigQuery, Data Studio, GA4), MongoDB
- **Data Pipeline:** Airflow, dbt

## 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).

## Awards

Nov 2021	<b>Second Runner-up in Greenovator Hackathon 2021</b> Organizer: Bosch Vietnam Description: AirQ4Cast (Air Quality Forecasting) - An AI-based application demo on Android Studio that predicts AQI using 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.
Dec 2019	<b>Third Prize in Business Intelligence Season 4 2019</b> Organizer: Shopee Vietnam 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.

## Certifications

Dec 2021	<b>Architecting on AWS</b> Issuing organization: AWS Training & Certification
Oct 2021	<b>Introduction to Computer Science and Programming Using Python</b> Issuing organization: edX
Aug 2021	<b>Data Engineering, Big Data, and Machine Learning on GCP</b> Issuing organization: Coursera / Google Cloud
Aug 2021	<b>Google Data Analytics Professional Certificate</b> Issuing organization: Coursera / Google