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	**Master of Science in Data Science** / *University of Verona*
	Verona, Veneto, Italy
Oct 2017 – Mar 2022	**Bachelor of Science in Mathematics** / *VNU-HCM University of Science*
	Ho Chi Minh City, Vietnam
	GPA: 8.02/10.0	Major: Computer Science
Oct 2016 – Dec 2020	**Bachelor in Business Administration** / *Ho Chi Minh City Open University*
	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
- **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	**Second Runner-up in Greenovator Hackathon 2021** ⎘
	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	**Third Prize in Business Intelligence Season 4 2019** ⎘
	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	**Architecting on AWS**
	Issuing organization: AWS Training & Certification
Oct 2021	**Introduction to Computer Science and Programming Using Python** ⎘
	Issuing organization: edX
Aug 2021	**Data Engineering, Big Data, and Machine Learning on GCP** ⎘
	Issuing organization: Coursera / Google Cloud
Aug 2021	**Google Data Analytics Professional Certificate** ⎘
	Issuing organization: Coursera / Google