

TRAN HOAN DUC DUY

Data Engineer

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EDUCATION

University of Information Technology (UIT) - VNUHCM

Bachelor of Computer Science - GPA: 7.98

Jul 2022

Ho Chi Minh, Vietnam

TECHNICAL SKILLS

- Python/Bash | Familiar: C++, Javascript
- SQL (MySQL)
- NoSQL (MongoDB, ElasticSearch)
- Kafka/Spark
- Others: Microservice, Docker, Gitlab CI/CD
- AWS (EMR, S3, EC2, Lambda, SQS, Cloudwatch Dashboard, Batch...)
- BI (Superset)
- Web Scraping (Selenium, Scrapy)
- AI (Tensorflow, Pytorch)

EXPERIENCE

Data Engineer

Hiip.Asia

Jul 2023 – Nov 2023

Ho Chi Minh, Vietnam

- Developed ETL processes for data from various social media platforms (TikTok, Instagram, YouTube, Facebook), in conjunction with user creation data, resulting in a database with over 100 million records.
- Built APIs to serve collected/real-time data for user in Vietnam, Thailand, Singapore, Philippines,...
- Implemented batch processing for machine learning to enhance efficiency and reduce cloud costs.
- Built System monitoring dashboards, BI dashboard (Superset) and alerting system.

Deep Learning Research Assistant - Part time

Academic Research Group

Aug 2021 – Present

Vietnam & Denmark

- Team size: 2 professors, 6 scholars in mathematics and computer science
- Facilitating and participating in weekly seminars on Deep Learning and Mathematics with researchers in these fields.
- Conducting research and implementing Deep Learning models specifically designed for time series data.

Machine Learning Engineer Intern

Kyanon Digital

Jul 2022 – Nov 2022

Ho Chi Minh, Vietnam

- Transitioning machine learning models into production-ready services.
- Designing and implementing databases and APIs for machine learning models.

PROJECTS

Influencer Marketing Campaign Management

February 2023

- Team size: 6
- Tech stacks: Microservices, Python, AWS, MongoDB, ElasticSearch
- Responsibility: Data Crawler, ETL Pipeline, ElasticSearch Indexing

Influencer Quick Analytics

September 2023

- Team size: 5
- Tech stacks: Microservices, Python, AWS, MongoDB, ElasticSearch
- Responsibility: Create APIs to Serve Real time data, Logging and enrich database by scheduling interval times.
- Achievement: Making API faster 9-20%, Saving 30% cost.

Personal Blog - duytran.id.vn

Ongoing

- Tech stacks: Next.js, Tailwind CSS
- Achievement: Knowledge about Web Development, A place to share my knowledge and experience

Vietnamese Scene Text Recognition

2021

- Team size: 5
- Tech Stacks: Tensorflow, AbcNetv2, VietOCR, Label Studio
- Responsibility: Built Dataset, Research and Fine-tune SOTA Models

AWARDS

- Top 10 Team at BDV 2023 for Innovation Hack
- Top 5 Team at HCMC AI-City 2021 - Vietnamese Scene Text challenge for Accuracy
- Bronze and Silver Medals in Informatics at 21st and 22nd Olympic 30/4, respectively.
- 3rd place in the Wecode competition.