

# TRAN HOAN DUC DUY

☎ 0888-193-215 ✉ ducduyleo@gmail.com 🔗 linkedin.com/in/hdduytran 🐙 github.com/hdduytran 🌐 duytran.id.vn

With a solid foundation in programming that began in my Informatics class during high school, coupled with one year of professional experience in Software Development, I have developed a passion for data engineering. My goal is to be a technical expert and design systems that are highly concurrent and offer low latency, particularly in the era of big data. This unique combination of academic and professional experience positions me to make significant contributions in the field of data engineering.

## Education

**University of Information Technology (UIT) - VNUHCM**

*Bachelor of Computer Science*

**Jul 2022**

*Ho Chi Minh, Vietnam*

## Technical Skills

- Python
- NoSQL/MongoDB
- Kafka/Spark
- Web Scraping
- SQL/MySQL
- AWS
- ElasticSearch
- AI/Tensorflow,Pytorch

## Experience

**Data Engineer**

*Hiip.Asia*

**Jul 2023 – Oct 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 (scraping) 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 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**

**February 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.

**Vietnamese Scene Text Recognition**

**February 2023**

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

## Awards

- Top 5 Team at Vietnamese Scene Text Competition for Accuracy
- Bronze and Silver Medals in Informatics at 21st and 22nd Olympic 30/4, respectively.
- 3rd place in the Wecode competition.