



VŨ ĐỨC ĐỘ

AI ENGINEER

ABOUT ME

I have over **3 years of experience** working at product companies as an AI Engineer. My main responsibility is building systems and solving problems by using Machine Learning and AI technology. In addition, I have tasks and skills related to data collection, processing, management, and analysis.

CONTACT



Cầu Giấy - Hà Nội

EDUCATION

Military Technical Academy (MTA) 2015 - 2020

- Major in **Data Technology**
- Degree: **Very Good (3.39/4)**

SKILLS

- Data processing, Data Mining, Web Scraping
- NLP, Computer vision, Speech
- Technology:
 - Redash, Metabase
 - MongoDB, MySQL, PostgreSQL, Clickhouse, Redis
 - Docker, RabbitMQ, Kafka, MinIO, S3

EXPERIENCES



TEPA 2021 - now

- Researching and developing **Speech to Text Vietnamese** project.
- Researching and developing **Text to Speech Vietnamese** project
- Building **Vietnamese CRM Chatbot**.
- Building **VoiceBot for Cenhomes Sales Department**.
- Building **Virtual assistant system** for reporting business situation.
- Analyzing and upgrading system: **CRM, ERP**.



2019 - 2021

- Researching and developing **Real Estate Price Prediction System** by machine learning.
- Researching and developing **Recommendation System**.
- Researching **Text to speech** project.



VNPT IT 2017 - 2019

Intern Pentester

- Testing and defining website vulnerability.
- Using **Linux**, deploy environment for case studies.
- Using **Python** for resolving issues such as crawling information, processing data, automatic modules, ...

ACHIEVEMENT

- Top 1 graduation project - 2020
- 1st in MTA Softcon Contest - 07/2020.
- 3rd in HCM City AI Challenge, Scene Text Recognition - 12/2021.
- Paper: Vu Duc Do and Tran Cao Truong, "Applying Machine Learning to Estimate Residential House Prices in Hanoi", The 23rd National Conference on Information Technology and Communication, 2020.

DETAIL OF PROJECTS

★ [REDACTED] TEPA 2021 – now

- **Speech-to-Text Vietnamese**
 - Team size: 3
 - Position: member
 - Technology Used: Python, Deep Learning(sequence-to-sequence)
- **Text to Speech Vietnamese:**
 - Team size: 3
 - Position: member
 - Technology Used: Python, FlaskAPI, Deep learning(FastPitch, G2P)
- **Vietnamese CRM Chatbot.**
 - Team size: 2
 - Position: member
 - Technology Used: Python, RaSa
- **VoiceBot for Cenhomes Sales Department**
 - Team size: 3
 - Position: member
 - Technology Used: Python, RaSa, Speech2Text, Text2Speech
- **Virtual assistant system**
 - Team size: 3
 - Position: member
 - Technology Used: Python, RaSa, Speech2Text, Text2Speech

★ [REDACTED] 2019 – 2021

- **Real Estate Price Prediction System**
 - Team size: 6
 - Position: main developer
 - Technology Used: Python, FlaskAPI, Machine learning(linear regression,KNN, Decision Tree, Random Forest,...), S3, MongoDB
- **Recommendation System.**
 - Team size: 4
 - Position: main developer
 - Technology Used: Python, FlaskAPI, Machine learning, Kafka, Clickhouse, CronJob
- **Text to Speech Vietnamese:**
 - Team size: 3
 - Position: main developer
 - Technology Used: Python, FlaskAPI,Deep learning(Tacotron2, FastSpeech, G2P)
- ★ **Other**
 - **Scene Text Recognition**
 - Team size: 2
 - Position: member
 - Technology Used: Python, Yolo v5, OCR