

# Tran Ho Hoang Vu

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## OBJECTIVE

Final-year Computer Science student at Ton Duc Thang University, eager to learn and grow as an **AI engineer**. Seeking an **AI Engineer Intern** role to develop end-to-end ML solutions: prepare datasets, train and fine-tune **deep learning** models, evaluate with reliable metrics, and deploy inference-ready pipelines for **NLP/CV** use cases in a product team.

## EDUCATION

### Ton Duc Thang University

Bachelor of Computer Science; **GPA: 7.88/10.00**

Expected Graduation: 2026

Ho Chi Minh City, Viet Nam

2022 – Present

## SKILLS

**Languages:** Python, SQL (basic)

**ML/DL:** PyTorch, TensorFlow/Keras, scikit-learn

**Data:** NumPy, pandas, Matplotlib

**CV/NLP:** OpenCV, torchvision; NLTK

**Tools:** Jupyter, Git/GitHub, Docker (basic)

## EXPERIENCE

### Ton Duc Thang University

Exam Invigilator (Part-time)

Ho Chi Minh City, Viet Nam

Sep 2024 – Present

- Ensured compliance with examination procedures; verified identities, managed attendance, and handled exam materials.
- Reported incidents clearly and collaborated with academic staff to maintain a fair testing environment.

## CERTIFICATES

### Aptis ESOL (British Council)

Apr 2024

Credential ID: ESOL ~0155613 | Credential URL

## PROJECTS

### Machine Learning Projects | GitHub

Sep 2024 – Dec 2024

- Built a stock time-series forecasting workflow (OHLCV + GDP): cleaned data, engineered features, normalized inputs, and trained baseline models with MSE/R<sup>2</sup> reporting per ticker.
- Benchmarked common optimizers for regression (GD/SGD/Adam-family) on Boston Housing with standardized preprocessing and convergence comparison.

### Deep Learning Projects (Vietnamese OCR) | GitHub

Jan 2025 – May 2025

- Prepared an OCR dataset from MCOCR by parsing polygon annotations and generating cropped word images; added validation to handle missing/invalid samples.
- Trained PyTorch OCR models (CNN + Transformer attention) and evaluated predictions with exact-match and BLEU-based scoring; delivered an inference demo script/notebook.

### Natural Language Processing Projects (EN–VI MT) | GitHub

Jan 2025 – May 2025

- Built preprocessing for IWSLT15 EN–VI (cleaning, tokenization, subword) and trained Transformer-based machine translation models.
- Evaluated with sentence BLEU (~17.87) and implemented an inference script to translate samples and detokenize outputs for qualitative review.

## INTERESTS

Music, Movies, Reading, Food, Travel