

Hoang-Quan Tran

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LinkedIn



Education

2019 – 2023 **Knowledge Engineering**, *BSc. in Computer Science*, VNUHCM - University of Science, Natural Language Processing.
Course GPA – 8.06/10.00
Major GPA – 8.72/10.00

Thesis

2022 – 2023 **Address Correction based on Machine Learning**, *BSc. Graduation Thesis*, VNUHCM - University of Science, grade.
Supervisor: Chau Thanh Duc, PhD

Languages

English B2.1 CEFR
Vietnamese First language

VNU-EPT - 255

Technical

Coding C/C++, Perl, Python, PHP, JavaScript, Java, Julia
Scripting bash scripts, Makefile, AutoIt
Frameworks Laravel, Flask, Django
CI/CD GitHub Actions, Travis CI, Azure Pipelines
VCS git
Misc TensorFlow 2.0, Keras, scikit-learn, Markdown, L^AT_EX, vanilla vim

Research Interests

Natural Language Processing Studying some NLP problems and their application in Vietnamese: Vietnamese Sentiment Analysis, Vietnamese Ancient Text OCR.
Cryptography Implement secure channels with some well-known algorithms: AES, RSA, ElGamal, Hill Cipher and ECC.
Software Automation Creating Software Automation Tools with supported languages (e.g AutoIt, Perl, Bash)

Projects

2021 **Chu Nom Optical Character Recognition (OCR)**, *School project*.
Creating an Ancient Vietnamese Text (Chu Nom) Optical Character Recognition engine using CenterNet CNN and simple Digit Recognition; with TensorFlow v2 and Keras
2021 **Secured Image Sharing Platform**, *School project*.
Creating a secured image sharing platform; using AES (with CBC mode), RSA and file checksum (using SHA-256 hash)

2022 **Fakenews Detection**, *School project*.

Creating a simple web-based Fakenews Detection tool using multiple statistical ML models; data are from Kaggle Fakenews Dataset.

2022 **SBERT Sentence Similarity**, *School project*.

Creating a simple web-based Sentence Similarity Calculation tool, using pre-trained SBERT from Huggingface.

Achievements

2018 **Consolation**, *Ben Tre Province Olympiad in Informatics*, Ben Tre - Vietnam.

5/20 pts

2019 **3rd**, *Ben Tre Province Olympiad in Informatics*, Ben Tre - Vietnam.

10/20 pts

2021 **Consolation**, *The ACM - ICPC Vietnam Southern Provincial*, HCMC - Vietnam.

Ranked 61th, solved 6 problems