DONG LE

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Education

Ho Chi Minh city University of Technology (HCMUT), VNU-HCM **October 2020 – Present**
Bachelor of Engineering in Computer Science *CGPA: 8.5/10*

Relevant Coursework

- Data Structures
- Artificial Intelligence
- Machine Learning
- Data Mining
- Natural Language Processing
- System Analysis and Design

Experience

VinAI **June 2023 – August 2023**
Software Engineer Intern *Ho Chi Minh city, Vietnam*

- Developed a web-based Surrounding View Monitoring using WebGL to simulate OpenGL application on a car
- Construct topview and surrounding view sight from 4 fish-eye view cameras integrated into a car
- Deploy a color-balancing deep learning-based to adjust the color among 4 cameras
- Technology used: WebGL, OpenGL, NodeJS, Flask, Pytorch

Projects

URA-LLaMa: Large Language Models for Vietnamese **October 2023**

- Fine-tuned Llama-2 on Vietnamese dataset
- Developed a framework to evaluate LLMs
- Design prompts for task adaption
- Technology and Frameworks used: Pytorch, LoRA, Transformers

Flood Warning System **April 2023**

- Used an AI Model to predict water level
- Build a system end-to-end from IOT devices to central server to end-users on mobile app
- Technology used: Pytorch, Flask, React Native

Guider - An interactive and informative map for an area **March 2021**

- Use A* algorithm to find shortest path inside university campus
- Visualized shortest path on the device for user
- Transfer map image with direction and send it to user by QR code and NFC technology
- Construct a RASA chatbot to interact with user on smart phone
- Technology used: PyQT5, RASA, Arduino, NFC
- Top 10 project in Bach Khoa Innovation

Publication

La Cam Huy, Le Quang Minh, Tran Ngoc Oanh, **Le Duc Dong**, Duc Q. Nguyen, Nguyen Tan Sang, Tran Quan, Tho Quan, *Low-Rank Adaptation Approach for Vietnamese-Bahnaric Lexical Mapping from Non-Parallel Corpora*, The 3rd Symposium on Computer Science & Engineering (SCSE), VNUHCM Journal of Engineering and Technology, In press, 2023

Khang N. H. Vo, **Dong Le**, Dat M. T. Phan, Sang T. Nguyen, Nguyen Q. Pham, Oanh N. Tran, Duc Q. Nguyen, Hieu M. T. Vo, Tho Quan, *Revitalizing Bahnar Language through Neural Machine Translation: Challenges, Strategies, and Promising Outcomes*, The 14th Symposium on Educational Advances in Artificial Intelligence (EAAI), AAAI 24

Technical Skills

Languages: Python, C/C++, Go, JavaScript, SQL, Shell script
Technologies/Frameworks: Linux, NodeJS, Pytorch, Tensorflow
Tools: Docker, Git