Binh Le Do Thanh

Machine Learning Engineer

Contact information

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Thu Duc, Ho Chi Minh City, Viet Nam

Skills

Programming languages
Python, Go, JavaScript, TypeScript, GraphQL, Java, Kotlin, C/C++

Machine learning frameworks
TensorFlow, PyTorch, OpenCV, scikit-learn

Libraries & Frameworks
Django, React, Node.js, Express, Next.js, Tailwind CSS, Fiber, Material UI 5, Bootstrap

Tools & Platforms
Docker, Git, VSCode, HuggingFace, MySQL, Firebase, MongoDB

Honors & Awards

2021
43rd place in Google Landmark Retrieval 2021

2019
First prize in the 2019 Mathematical Olympiad for student

Certifications

2023 Microsoft Certified: Azure Fundamentals

2023
Microsoft Certified: Azure AI Fundamentals

2023
Microsoft Certified: Azure Data Fundamental

2022
AWS Certified Cloud Practitioner Certificate

Education

Ho Chi Minh University of Technology *09/2018 - 11/2022*

Bachelor of Engineering, Computer Science

Program: Honors program GPA: 8.76/10

Work Experience

AI Intern *6/2021 - 9/2021*

Singalarity | Ho Chi Minh City, Viet Nam

Technologies: Python, Tensorflow, Pytorch, Docker, Spring Framework

- Learned how to use Docker and Kubernetes in the development process
- Conducted experiments in Natural Language Processing and Speech Processing
- Assisted in the development of a number recognition system that achieved an 85% accuracy rate

Personal Projects

Imagine *02/2023 - 03/2023*

https://github.com/binh234/imagine

Demo: https://imagine-ai.vercel.app
Technologies: Vite, React, Nodejs, Go, Imagekit, MongoDB, OpenAI API

- Developed and deployed the full-stack website of an AI image-generation platform
- Built different servers with Node.js and Go
- Performed API caching to improve user experiences

AutoSub *09/2021 - 05/2022*

https://github.com/binh234/autosub

Technologies: Python, Transformers, Speechbrain, Wav2Vec2

- Collected over 600 hours of raw speech data from multiple sources
- Tackled multiple problems including Voice Activity Detection, Speech Recognition, Capitalization and Punctuation restoration
- Achieved 96% accuracy on the clean test set and 90% accuracy on the noise test set

Automatic Capitalization and Punctuation *01/2022 - 04/2022*

https://github.com/binh234/capu

Demo: https://huggingface.co/dragonSwing/vibert-capu
Technologies: Python, Transformers, NLP
- Preprocessed the data by removing stopwords and performing normalization, tokenization
- Utilized pretrained BERT model for faster convergence and better accuracy
- Achieved 90% accuracy on the Capitalization task and 80% on the Punctuation task