

Thai Hoang Tam

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Address: District 7, Ho Chi Minh City

EXPERIENCE

Intern Java Developer

Unit Technology Corporation

Ho Chi Minh, Vietnam

Feb. 2023 – May 2023

- Learning about Spring framework (Spring Boot, Spring Data, Spring MVC, Spring Security)
- Building a self project about a book management system
- Collaborating with developer teams to fix bugs found by testers
- Working with multiple projects with tight time schedules
- Write API for OZ e-Form for a demonstration page
- Learn about Camunda workflow, BPMN
- Create new OZ e-Form from Doc files

EDUCATION

Vietnamese-German University

Bachelor of Science in Computer Science, GPA: 1.3 (German grade) or 9.4/10

Binh Duong, Vietnam

Aug. 2020 – Oct. 2023

- Excellent graduation with a maximum score for the final thesis
- 50% Scholarship 2022-2023, 100% Scholarship 2020-2021
- Eligible for skipping the first year (foundation year)

Frankfurt University of Applied Science

Exchange semester with fully funded DAAD scholarship

Frankfurt, Germany

Sep. 2021 – Mar. 2022

PROJECTS

StockPrediction | *Python, Tensorflow, NextJS (React), HTMX, Tailwind CSS*

May. 2023 – Present

- A full-stack program to predict the stock prices in Vietnam (mostly VN30) using models like CNN, LSTM, and DNN
- The project helps me to understand more about Tensorflow, the NextJS framework, and Tailwind CSS
- Data are getting from API of different sites like FireAnt, Cafef, and SSI board
- The prediction models are trained to predict the closing price of the next day

VoiceAI | *Python, Whisper (OpenAI), Coqui-ai/TTS*

Apr. 2023 – Present

- A program to work with Whisper-OpenAI to transcribe and then show live subtitles or play the audio (dubbing) back with an AI voice (with Coqui-ai TTS)
- The main idea for the project is to learn about the latest technology of AI in the Natural Language Processing (NLP) field
- TTS service can be from two different platforms which are ElevenLabs and Coqui-ai/TTS, but Coqui is better because it can run locally

DiscordBot | *Typescript, Node, Discord API*

Sep. 2022 – Feb. 2023

- Develop a multi-purpose Discord bot to learn more about the API of different services such as OpenWeatherMap, CoinMarketCap, Quotable, etc

- The main feature is streaming music from YouTube to a voice channel
- Other functions are chatting with ChatGPT, transforming images to text with OCR, showing weather conditions and predictions, showing random gifs, and many more

License Plate Detection | *Yolov5, Python, OpenCV, Flask*

Nov. 2022 – Dec. 2022

- Leading a team of three members to make a Python program to detect license plates and show the vehicle's origin
- Collect and label about 2000 images of license plates
- The images will first be detected and cropped by the trained yolov5 model
- Using RealESRGAN to upscale cropped license plate
- EasyOCR is used to get the number on the license
- Using and comparing the differences between three modal sizes
- Using Flask to make a basic website where users can upload images and see the detection results

Real As-stated | *Hyperledger Fabric, Typescript, React, Node, Docker, Scrum*

Oct. 2022 – Dec. 2022

- Working with a team of six people to make a prototype web app of a real estate trading platform using blockchain-based technology
- Hyperledger Fabric is used to make a permissioned blockchain
- Using Docker to represent peers of the blockchain network
- Develop a Rest API server to connect the front end (React) and back end (Blockchain)
- Follow Scrum framework to make daily meetings

Etobet | *Flutter, Dart, Docker, Firebase, Google Cloud Service, Git*

April 2022 – Jun 2022

- Developed a full-stack mobile application using Flutter with Firebase as the database
- Working with Google Cloud Service to display Google map, and show roads to your friends
- Updating users' location in real-time with Firebase
- Using a geocoding plugin to show the address of the place on the map
- Working with git, creating branches for different features and merging to the main branch

Tisch | *Java, Maven, Java Swing, Git*

Sep. 2021 – Dec. 2021

- Leading a team of three people to develop a desktop application using Java with Java Swing for the GUI
- Allocating tasks to each member evenly with both back end and front end work
- Working with Oracle Database, using SQL for CRUD operations and retrieving data
- Hosting meeting to discuss problems, show progress, and work together to find the solutions to problems that occurred

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C, C++, Dart, SQL, (HTML/CSS)

Speaking Languages: Vietnamese, English (IELTS 7.5), German (B1)