Hoang Nguyen
Software Engineer Intern

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Summary

An IT student with **competent background** and growth mindset, motivated by his interest in Information Technology and science. Realizing the academic research track may not be for him, he is taking steps into the **industry** with a **strong will** to learn, develop and be useful.

Education

VNU University of Engineering and Technology   **Oct 2020 - Dec 2024**
(Information Technology)   ***GPA: 3.44/4***

- Since Mar 2021, at Ph.D. Dinh Tran Hiep's Lab; Activities including self-studying, experiments, seminars and technical reports writing
- Topics & tasks: Machine Learning

Technical Skills

- Programming: C++, Java, Python, JS, TS, Matlab
- Database System: Mysql, Microsoft SQL Server
- Web Technology: NodeJS, ReactJS, ExpressJS, NextJS
- OS/Tools: Windows, Linux, LaTeX, MS Office

Projects

1. CCTV System   **Aug. 2022**
- Live View, Playback Camera from Web app.
- Server convert RTSP/RTMP stream to HLS for web view.
- Tools/Libraries (used): Reactjs, ExpressJS, ffmpeg.

2. Blog Site   **May. 2022**
- Website for blogging. Share things.
- Tools/Libraries (used): Nextjs, Material UI, Server Raspberry Pi 4B, Host with Nginx.

3. Web application to manage the spending of members in the dorm room   **Mar. 2022**
- An online web application made for my homies at dormitory to manage our money.
- Tools/Libraries (used): Reactjs, Nodejs, GoogleScripts.

4. Web application to control indoor devices, display temperature, and humidity parameters   **Jan. 2022**
- Control via Raspberry server and ESP32, server using ExpressJS.
- Get temperature and humidity data via API server from DHT11
- Tools/Libraries (used): Reactjs, ExpressJS, C++ for ESP32, Server Raspberry Pi 4B.

5. Game SuperBomberman 2   **Dec. 2021**
- Remake SuperBomberman 2. Applying algorithms to find the way for monsters and monsters that are able to dodge bombs and dodge fire in a smart way.
- Tools/Libraries (used): Java and cross-platform Java game development framework libGDX.

6. Dictionary application, multi-language translation   **Sep. 2021**
- Dictionary Java project for UET-VNU OOP course. Online dictionary, multi-language support.
- Tools/Libraries (used): Java, JavaFX, JFoenix, SQLite, GoogleScripts (Nodejs) for Back-end (Online translate).

7. The application simulates the K-Means algorithm and applies it to image compression   **Dec. 2020**
- This is a visualization of Kmeans algorithm. Help people to understand the algorithm and apply it to their own data.
- Tools/Libraries (used): Python, Pygame, Scikit-learn.

Hobbies

- Football, Music, Movie, Books, Science.