

MINH QUANG DANG

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WORK EXPERIENCE

AIV Group – Software Product Company

Oct 2019 – Dec 2021

Software Developer Intern

- Carrying out AutoVid project (video creation platform) throughout the internship.
 - Applied all learned methodologies and standards in development such as Agile project management, OOP, MVT pattern, RESTful API, Python PEP 8, Git flow, ...
 - Integrated the software with 3rd party services: Facebook (for login), Google (for login, image searching and YouTube video uploading, email notification), VnAlert API (for news articles retrieval), Viettel AI & Vbee (for TTS), ...
 - Maintaining 10+ render servers. Using RabbitMQ and Celery to distribute tasks among servers.
 - Users have created 3000+ videos on our platform, one of the videos has reached nearly 1M views on YouTube (created in only 10 minutes). This project has proved itself to be promising, it has attracted more and more businesses to cooperate with us. In 2021, It has been decided by my company to be the strategic project.
- Contributed to the backend side of product VnAlert: building a cache server, optimizing database query performance, improving the message queues, ...
- Done 3 data visualization side-projects using D3.js and pandas to boost user engagement for our company website.
- Learned Django and several modern technologies such as Redis, RabbitMQ, Celery and Docker to build stable and scalable services. Learned ExtendScript to automate creating videos with Adobe product.

InfoRe Technology – Technology Startup Incubator

Jun 2018 – Aug 2019

Data Scientist Intern

- Worked in a team to develop a mobile app for collecting face data and receiving check-in notifications for bank staffs using React Native.
- Trained YOLOv3 and SSD model to detect persons and heads.
- Developed a tool to collect Facebook annotated facial images using Selenium, Dlib and OpenCV.
- Learned Machine Learning algorithms and techniques. Learned Deep Learning for Computer Vision specifically. Done several technical seminars for Dev team and taught Python course for Business team.

EDUCATION

Hanoi University of Science and Technology

Sep 2017 – Jun 2022

Major: Information Technology and Communication (advanced program)

Expected graduation date: Jun 2022

CGPA: 3.33/4.0, last semester GPA: 3.88/4.0

Tran Phu High School for the Gifted, Haiphong

Sep 2014 – Jun 2017

SKILLS

- Programming languages: Python, JavaScript, Java, C/C++
- Databases: MySQL, PostgreSQL, Redis
- Management tools: Trello, Jira, Clickup, Gitlab
- Base knowledges: OOP, Structured programming, Data structures & Algorithms, Database, MVC/MVT pattern, RESTful API, microservices

- Tools: git, tmux, vscode, postman, docker, docker-compose, jupyter notebook
- Frameworks: Django, React Native
- Libraries: celery, pika, redis-py, requests, selenium, numpy, pandas, opencv, pillow, keras, ReactJS
- Soft skills: leading and managing team, systematic thinking, independent working, problem solving.
- English: 870 TOEIC (2017-2019)

AWARDS

- Top 12 - Developer Circles Vietnam Innovation Challenge (Top 1 – Teko Batch 2)** Sep 2020
 - Worked in a team of five to build a demo of food recommendation application.
- Runner-up - FPT Digital Race - HUST qualifying round** Jan 2020
 - Built an image processing algorithm for autonomous car to run in simulated environment.
- Top 6 - AWS DeepRacer Techfest** Dec 2019
 - Collaborated in a team to train an autonomous car with reinforcement learning.
- Top 5 - AI4VN National Hackathon** Aug 2019
 - Built a virtually try-on clothes web app using VITON (generative adversarial network based).

ACTIVITIES

- Student AI Bootcamp 2020 – Cinnamon** Jan 2020
 - Passed math & coding skill tests and participated in the Phase I of the bootcamp.
- Robotics GPBL 2019 - HUST** May 2019
 - Collaborated closely with foreign students from Shibaura Institute of Technology (Japan) to build and improve a line-tracing robot.
- FPT Young Talents - FPT Corporation** Jan 2018 – Dec 2020
 - Won scholarship and the chance to work for period of 2 years in FYT center.

PROJECTS

Team projects:

- AutoVid - Video creation platform - *Software developer, main contributor* Aug 2020 - Present
- OverCoded Technical Handbook - *Writer, Main contributor* Mar 2021 - Present
- EcoBikeRental application - *Developer, Team leader* Dec 2020
- Hanoi Real Estate Exploratory Data Analysis - *Developer, Team leader* Dec 2020
- Sorting algorithm demonstrator - *Developer, Team leader* Jun 2020
- Mandarin square capturing - *Developer, Team leader* Dec 2019

Individual projects:

- COVID-19 contact-tracing network visualization Mar 2020
- COVID-19 bar chart race Mar 2020