YANG TUẤN ANH

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EDUCATION

VNUHCM-University of Science, Ho Chi Minh City, VN   **Oct 2021 – May 2025**
Bachelors of Science – Advanced Program in Computer Science   GPA: 3.82 (Major: 3.93)
Relevant courses: OOP, DSA, Computer Systems, Database Systems, Software Engineering, Multivariable Calculus, Linear Algebra, Statistics, Discrete Structures, General Physics, Comms. Management, Scientific Method

National University of Singapore, Singapore   **Aug – Dec 2023**
Non-graduation, School of Computing
Relevant courses: Theory of Computation, Computer Vision, Design & Analysis of Algorithms, Intro to Info Security
Honors: Top 10 Southeast Asian candidates for the NUS ASEAN Master's Scholarship

SKILLS

Programming Languages: C/C++, Python, Java, SQL, Dart, JavaScript, TypeScript, LaTeX, Markdown
Frameworks/Tools: TailwindCSS, NextJS, Express, Flask, Django, PostgreSQL, S3, Firebase, MongoDB, Redis, Tensorflow, Pytorch, Keras, Flutter, Android Studio, Jetpack Compose, Docker, AWS
Languages: English (fluent, 7.5 IELTS), Vietnamese (native speaker), Chinese (beginner)

EXPERIENCE

Autonomous Inc | Software Engineering Intern   **Jun – Jul 2023**
- Researched generative algorithms such as Perlin noise, cellular automatas, fractals and computational geometry
- Worked on a generative art collection on terrain map generation, as part of contribution towards https://generative.xyz/
- Learned and utilized P5.js and WebGL to build and design generative art models

LEAN Social | Software Engineer   **Jun 2022 – Mar 2023**
- Setting the foundation for product launch, creating direct study engagement for more than 10,000 youths (Link)
- Assisted in data collecting and sampling for the webapp's machine Learning model – Study drowsiness detection
- Learned and utilized NextJS, TailwindCSS, Mobx to build study streaming tools and controls for Lean Social webapp

Tiki Company Limited | Software Engineering Intern   **Jul 2022 – Sep 2022**
- Developed demo applications for various components as demonstration for Tini App – a JS Framework by Tiki
- Collaborated in a cross-functional team of 6 engineers to develop software for third-party investors
- Learned and utilized React, NextJS, Typescript and NodeJS to contribute development in Tini App

PROJECTS

FoodFeed - Backend Developer   **Sep 2023 - Ongoing**
- An Android app that can help people share food locations and help them make reasonable decisions for their eating.
- Designed API endpoints using Django, PostgreSQL, S3 and Redis on social media features such as user authentication and post CRUD, query and manipulating food and shop data based on fuzzy matching algorithms and geolocation.
- Deployed a CI/CD Pipeline with AWS EC2 and Docker containerization, ensuring production-ready stability.

5tasy – ML Engineer   **Aug – Sep 2023**
- Translates a .pdf file, preserving the original layout of that .pdf file using MaskRCNN, and EasyOCR for tabular format detection, and envit5-translation for file translation.. Achieved Second Prize of the Cinnamon AI Bootcamp 2023.
- Developed the Frontend with NextJS and TailwindCSS, and served inference via Django, Firebase and PostgreSQL.
- Deployed a CI/CD Pipeline with AWS EC2 and Docker containerization, ensuring production-ready stability

PUBLICATIONS & APPEARANCES

- "Deep Learning Hierarchical Methods for Insect Pest Recognition on Plants", SoICT (Oct 2023) (Link)
- "Sketch-based 3D Animal Fine-Grained Retrieval (SketchANIMAR)", Computers & Graphics (Jul 2023) (Link)
- "Text-based 3D Animal Fine-Grained Retrieval (TextANIMAR)", Computers & Graphics (Jul 2023) (Link)
- "Gamified solution to enhance students' interest in History - Immersion Learning and Gamification", International Science Student Forum, Best Paper Award (Nov 2022)

AWARDS

- Silver medal – International Youth Maths Challenge – Mathematics Olympiad   **Nov 2023**
- Top 4 Finalist – OpenAI Stack Hackathon - Hackathon   **Mar 2023**
- Third place – Game UIT Hackathon, SWE Faculty, VNUHCM UIT – Hackathon   **Nov 2022**
- Third place – IU Hackathon, GDSC HCMIU – Hackathon   **Jul 2022**
- Third place – Ho Chi Minh City Olympiad in Informatics – Informatics Olympiad   **May 2018**

LEADERSHIP & ACTIVITIES

- **HCMUS - SAB Academy** | Development Team Leader   **Oct 2021 – Ongoing**
- **Google Developer Student Club – HCMUS** | Backend Specialist   **Oct 2021 – Ongoing**
- **STEAM for Vietnam** | Teaching Assistant (CS Intro in Python, Game Dev. in Pygame)   **Feb 2022 – Ongoing**