

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: DSA, Computer Systems, Database Systems, Operating Systems, Computer Graphics, Software Engineering, System Design, Calculus, Linear Algebra, Statistics, Discrete Maths, General Physics, Computational Finance

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, SQL, Dart, JavaScript, TypeScript, Go

Frameworks/Tools: NextJS, Express, Django, PostgreSQL, MongoDB, Redis, Tensorflow, Pytorch, Flutter, Docker, AWS

Languages: English (fluent, 7.5 IELTS), Vietnamese (native speaker), Chinese (beginner)

EXPERIENCE

Magister | Data Science Intern

Dec 2023 - Ongoing

- Researched LLM inference cost and data security, enabling cloud adoption for improved efficiency and security.
- Implemented a low-cost LLM solution with llama-cpp, facilitating feature experimentation within the organization.
- Developing a course recommender system, enhancing personal user experience and recommendations.

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 – Sep 2022

- Collaborated in a team of 6 with Tini App – a JS Framework by Tiki, developing software for third-party investors.
 - Learned and utilized NextJS, Typescript, Go and NodeJS to contribute development in Tini App.
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PROJECTS

FoodFeed - Backend Developer ([Github](#))

Sep – Nov 2023

- 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 ([Github](#))

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.
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PUBLICATIONS & APPEARANCES

- “[Optimizing Sperm Detection and Tracking in Fluids with Equalize Class Representation Augmentation](#)” (Jan 2024)
 - “[Deep Learning Hierarchical Methods for Insect Pest Recognition on Plants](#)”, SoICT (Oct 2023)
 - “[Sketch-based 3D Animal Fine-Grained Retrieval \(SketchANIMAR\)](#)”, Computers & Graphics (Jul 2023)
 - “[Text-based 3D Animal Fine-Grained Retrieval \(TextANIMAR\)](#)”, Computers & Graphics (Jul 2023)
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AWARDS

- Outstanding Award - SIMIODE Challenge Using Differential Equation Modelling (SCUDEM) **Dec 2023**
 - Silver medal (Top 5%) – International Youth Maths Challenge – Mathematics Olympiad **Nov 2023**
 - Top 4/7000– OpenAI Stack Hackathon, Lablab.ai – Hackathon **Mar 2023**
 - Third place – Game UIT Hackathon, SWE Faculty, VNUHCM UIT – Hackathon **Nov 2022**
 - Third place – Ho Chi Minh City Olympiad in Informatics – Informatics Olympiad **May 2018**
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LEADERSHIP & ACTIVITIES

- **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**