YANG TUẤN ANH

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EDUCATION

VNUHCM-University of Science, Ho Chi Minh City, VN　　　　　　　　　　　**Oct 2021 – May 2026**
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 Engineer　　　　　　　　　　　　　　　　　　**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 - Ongoing**
- 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　　　　　　　　　　　　　　　　　　　**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.

MyThorch – Fullstack Web Developer　　　　　　　　　　　　　　　　**Mar 2023**
- Top 4 Finalist submission to the OpenAI Stack Hackathon - a document interaction app that leverages user behavior. Constant data collection helps to adapt to the user's needs for a personalized experience.
- Used React for the frontend and Flask for the backend, GPT-3 generates personalized documents based on user focus, while Redis stores previous interactions to reduce token input.

PUBLICATIONS & APPEARANCES

- "Sketch-based 3D Animal Fine-Grained Retrieval (SketchANIMAR)", Computers & Graphics, under review (Link)
- "Text-based 3D Animal Fine-Grained Retrieval (TextANIMAR)", Computers & Graphics, under review (Link)
- "Gamified solution to enhance students' interest in History - Immersion Learning and Gamification", International Science Student Forum, Best Paper Award (Nov 2022)

AWARDS

- Top 8 Finalist – OpenAI Stack Hackathon - Hackathon　　　　　　　　　**Mar 2023**
- Silver medal – International Youth Maths Challenge – Mathematics Olympiad　**Dec 2022**
- 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

VNUHCM-University of Science | Ho Chi Minh City, VN　　　　　　　　**Oct 2021 – Ongoing**
- **SAB Academy** | Development Team Leader
- **Google Developer Student Club – HCMUS** | Backend Specialist

STEAM for Vietnam | Teaching Assistant (CS Intro in Python, Game Dev. in Pygame)　**Feb 2022 – Ongoing**