

LE DOAN ANH TUAN

AI Engineer Intern

Contact:

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github.com/Mons1412 Tuấn (Toby) Lê

EDUCATION

Nguyen Tat Thanh University (NTTU) – NIIE
Software Engineering · GPA 2.9/4.0 · Expected Oct 2027 (Currently 3 subjects remaining: English, Internship, Graduation Project)

AVAILABILITY

Now – 5 Feb 2027: Classes Tue–Fri mornings. Available afternoons & weekends.
11 Feb 2027 – Oct 2027: Full-time ready (Graduation Project already completed).

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL · foundational C++ | Backend: FastAPI, RESTful APIs, Pydantic, SQLAlchemy, Alembic, RBAC
Databases: MySQL, SQLite, ChromaDB | Tools: Git, GitHub, Docker, Docker Compose, Linux (Ubuntu)
AI / ML: TensorFlow/Keras, MobileNetV2, Ollama, Retrieval-Augmented Generation (RAG)

PROJECTS

(1) AI-Based Lung Disease Detection System Using Chest X-Ray Images

Python · TensorFlow/Keras · MobileNetV2 · FastAPI · SQLAlchemy · MySQL · Alembic · Docker

- Implemented an image preprocessing pipeline that converts chest X-ray images into 224 × 224 × 3 RGB tensors, with pixel normalization to [-1, 1] for MobileNetV2 inference.
- Integrated a MobileNetV2 transfer learning model with Softmax classification for three classes: Normal, Pneumonia, and Tuberculosis. Achieved 89.62% test accuracy and 89.72% macro F1-score on a held-out test set of 318 images.
- Developed FastAPI RESTful services for model inference, patient management, and prediction history, incorporating SQLAlchemy, MySQL, RBAC, PDF report generation, and Docker Compose deployment.

(2) VocaMini — English Vocabulary and Pronunciation Learning Application

JavaScript · Vite · PWA · Capacitor · Vosk · WebSpeechAPI · Git

• Developed a Progressive WebApp with ServiceWorker caching and LocalStorage persistence for vocabulary notebooks and learning data.
• Integrated dictionary & translation APIs with caching/fallback; browser TTS with adjustable rate. Offline-capable.

(3) Personal Portfolio Website

HTML5 · CSS3 · Vanilla · JavaScript · Responsive Web Design · GitHub

•Single-pageportfolio with adaptive layouts, mobilenavigation, EN/VI language switching (data attributes + LocalStorage), Intersection Observer scroll animations, and downloadable PDF résumés.

EXPERIENCE

Global American Academy (GAA)

Intern | 25 Dec 2025 – 25 Mar 2026

• Developedcomprehensive understanding of internal regulations and workflows across five departments: Administration,Marketing, Academic Affairs, Accounting, and Sales.
• Communicated directly with business partners to discuss and plan affiliate marketing strategies; compiled and maintained customer/prospect databases.
• Participated in trade exhibitions (SECC, TBECC); strengthened professional communication, customer reception, and meeting documentation skills.

Marketing Department | 26 Mar 2026 – 01 Jun 2026

• Produced social media content, event photography/video support, posters, banners, and AI-generated promotional videos.
• Planned weekly content calendars and created posts for GAA's Facebook pages and official website; prepared livestream scripts and supported live sessions.
• Trained and guided Marketing Interns on departmental workflows, SOPs, and KPIs.

Administrative Department | 02 Jun 2026 – 15 Aug 2026

• Conducted asset inventories, prepared logistics for training sessions and events, tracked meal/meeting expenses, and maintained administrative records.
• Trained interns on office procedures; ensured smooth handover of responsibilities, documents, and ongoing tasks before leaving the position.

Selected Collaborations

• Supported affiliate marketing partnership with Emy Fashion and multiple GAA English education program launches (Amazon English, English for Bilingual Preschool Education, English for Study Abroad Preparation, Cambridge English Preparation, SAT Preparation).
• Contributed to English-language heritage projects: "100 Years of Vietnamese Painting and Lacquer Art Heritage" (with Toluck & Vietnam Records Institute).

All project demos and source code are available on my GitHub: github.com/Mons1412