

# THU THI ANH THAN

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## Education

### Minerva University

San Francisco, CA Sep'22 - May'26

Bachelor of Science in Computational Science.

- Coursework: Software Engineering, Machine Learning, Bayesian Statistics, Causal Inference, Modeling of Complex Systems
- **Third Prize** in the AfricAIED 2024 Hackathon, part of the 2nd Workshop on AI in Education in Africa.
- **Co-author:** Towards Data Science - [‘Are You Sure Your Posterior Makes Sense?’](#)

## Skills

- Technical Stack: Python, JavaScript/TypeScript, C/C++, SQL, R, HTML/CSS
- Tools: Figma, GitHub, Notion, Trello, Google Cloud Platform (BigQuery, Vertex AI, Google Colab)

## Professional Experience

### Minerva Academic Team, *Data Analytics Intern*

San Francisco, Remote, Sep'24 - Present

- **Reduced manual scheduling time by 75%** and eliminated conflicts for **40+** courses and **50+** professors by developing an automated scheduling system using JavaScript (Google Apps Script), Python, and Google Sheets.
- **Increased student engagement and agency by 50%** for **600+** students by developing an **analytics pipeline** and dashboard for grades using Python and JavaScript, providing insights and academic progress tracking.

### Open Interamerican University, *Software Engineer Intern*

Buenos Aires, Onsite, Sep'24 - May'25

- **Led development** of a multilingual, real-time **communication app** for **global teams** using async JavaScript and third-party APIs (OpenAI Whisper, ElevenLabs), improving accessibility and **reducing response latency by 30%**.
- Developed and optimized a computer vision model using Mask R-CNN and PyTorch for North symbol keypoint object detection, implementing data augmentation techniques that **expanded the training dataset by 3x**.

### MoMo (Vietnam's 4th Unicorn Startup), *Data Analytics Intern*

Vietnam, Onsite, May'24 - Aug' '24

- **Led a causal inference project** to enhance product analytics at a **\$2B+ valued startup**, presenting key insights directly to the Chief Data Officer to drive data-informed decision-making, expecting to **increase budget efficiency by 2x** and improve retention strategy.
- **Optimized and analyzed 200,000+ user behavior records** from a **1M+ row transaction database** using **Google BigQuery**, Python, and matplotlib to identify product opportunities.

### NextChallenge Foundation, *Lead Market Researcher*

Seoul, Onsite, Sep'23 - Dec'23

- **Led development of a go-to-market strategy** for the company's Korean-learning app based on competitor analysis of **10+** players (e.g., Duolingo) and regional teaching centers.
- **Analyzed user insights from 50+** survey responses to propose UX improvements and monetization models, approved by the CEO for launch preparation.

### Project Incubator for Social Entrepreneurs, *Product Manager*

Vietnam, Hybrid, Jan'23 - Sep'23

- **Directed a product team of 9** to execute a 3-month program on Design Thinking & Social Impact for the largest cohort of 50+ Vietnamese young leaders, leading to a **record-breaking increase in the project incubation success rate of 80%**.
- Organized **2 onsite bootcamps for 100+ participants** by designing a 3-day user journey experience, and securing partnerships with local schools and organizations, leading to a **90% satisfaction rate**.

## Technical Projects

### Zen - AI-powered Digital Journaling App | *Figma, MongoDB, Express.js, React, Node.js, OpenAI Whisper*

- Developed an end-to-end project of journaling platform that supports multimodal input to extract emotional tones and offer mindfulness prompts using JWT-based auth, scalable MongoDB storage, and responsive UI with React.

### Memora - AI-powered Flashcard App | *Flask, React, SQLite, Gemini API, Docker, Railway, GitHub Actions*

- Developed a personalized spaced repetition system integrating AI-generated summaries and visual explanations, integrating a CI/CD pipeline using GitHub Actions for automatic deployment and testing on Railway.

### Ava - AI Technical Interviewer | *FastAPI, Next.js, Supabase, AWS, Gemini API*

- Built a cloud-native, AI-driven mock interview platform using OpenAI and Gemini APIs with FastAPI backend, Supabase auth, and serverless AWS Lambda deployment - offering real-time, scalable interview practice for users.

### Flow - Task Management App | *Flask, React, SQLite, Gemini API, Railway, Vercel*

- Built a cloud-native, AI-driven mock interview platform using OpenAI and Gemini APIs with FastAPI backend, Supabase auth, and serverless AWS Lambda deployment - offering real-time, scalable interview practice for users.