

## Contact

[www.linkedin.com/in/toan-nguyen-058506180](https://www.linkedin.com/in/toan-nguyen-058506180) (LinkedIn)

## Top Skills

Speech Signal Processing  
Audio Processing  
ASR

## Certifications

AWS Certified Cloud Practitioner

## Honors-Awards

Gold medal of the Southern Olympiad 30/4 in Programming in 2014.

Vallet Shoolarship

Third place in VLLMs contest in VSLP 2023

## Publications

Crossing Linguistic Horizons: Finetuning and Comprehensive Evaluation of Vietnamese Large Language Models

VLF-VQA: Vietnamese Lightweight Fusion architecture for Visual Question Answering

A Convex Optimization Based Method for Color Image Reconstruction

# Toan Nguyen

Sr. AI Engineer | M.S. in Computer Science  
Ho Chi Minh City, Vietnam

## Summary

I'm a senior AI engineer with nearly 5 years of experience in developing AI solutions from business and product needs, as well as delivering features through close collaboration with cross-functional teams. Additionally, I have achievements in AI foundation models in LLMs within academic domains. Currently, I'm expanding my work in Cloud Computing and Solution Architecture as I work toward becoming an AI solution engineer.

## Experience

### MoMo (M\_Service)

Senior AI engineer

November 2024 - Present (5 months)

### Vulcan Labs

Senior AI engineer

April 2024 - November 2024 (8 months)

Ho Chi Minh City, Vietnam

- Developed AI solutions of mobile applications: ReHouseAI(Stable Diffusion), Solvie: MathGPT Solver (LLM Agents).
- Designed and implementing scalable AI systems and pipelines, and integrating them with cloud infrastructure.
- Conducted research on competitive GenAI features and presenting findings to C-level executives and the Product team to drive product enhancements.
- Reviewed code to ensure that its structure is optimized for cost-effective maintenance and scalability.

### MainGames Indonesia

AI Engineer

May 2021 - April 2024 (3 years)

Ho Chi Minh City, Vietnam

- Developed Eklipse.gg
- AI services: Highlight detection (CV, Audio, LLM), Video editor (LLM, VLM, vector database)

, Video classification

- Software engineering: Deployment (APIs, Queue Message), Databases
- Video encoding, transcoding, decoding
- Video downloading

Emage AI Pte. Ltd.

Computer Vision Engineer

July 2019 - April 2021 (1 year 10 months)

Vietnam

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## Education

Ho Chi Minh University of Technology

Master's degree, Computer Science · (2021 - 2024)

Ho Chi Minh University of Technology

Engineer's degree, Computer Science · (2015 - 2020)