

Nguyen Ngoc Thien

AI | ML Engineer



Having accumulated 3 years of software development experience, with a dedicated year in Artificial Intelligence, the aspiration is to enhance expertise in AI and emerge as a prominent professional in the field. The overarching goal involves involvement in cutting-edge projects, applying acquired knowledge and skills to tackle intricate challenges. Concurrently, there is a commitment to contributing to the AI community by sharing knowledge and experiences, actively participating in the development of advanced and impactful AI solutions.

Contact information

June 23, 2001

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Skills

Programming Languages

- C#.NET, Python, C++, Java
- HTML5, CSS3
- Typescript, Javascript

Framework/ Platforms

- TensorFlow, Keras, PyTorch
- Pandas, Matplotlib, Sklearn
- ASP.NET, jQuery, FastAPI
- DevExtreme, Angular

Database Management Systems

- MS SQL Server, MySQL
- MongoDB, Weaviate

Devops

- Containerization: Docker
- Container Orchestration: Kubernetes
- CI/CD: Github Actions
- Cloud Platforms: AWS, Microsoft Azure, GCP

Education

National Central University (TW)

MS in Computer Science 08/2024 - Now

- Relevant Courses: NLP, Intelligent Surveillance, Advanced Audio Signal Processing
- Member of Deep Learning & Media System Laboratory
- GPA: 3.9/4.0

University of Technology and Education (VN)

Software Engineering 08/2019 - 03/2024

- Relevant Courses: Mathematical Statistics, Al, Machine Learning, Web Development
- Semi-finalist in EUREKA National Scientific Research Competition
- Graduated with Thesis: "Building Al-powered and Webbased Parking Management System" (Grade: 9.6/10)
- GPA: 3.1/4.0

FUNIX FPT (VN)

Data Science 09/2022 - 06/2023

- Relevant Courses: Data Science, Data Analysis, Deep Learning

Work experience

Research Assistance

Deep Learning & Media 8/2024 - Now System Laboratory

- Led multiple AI research projects using event-based camera technology
- Designed and implemented data collection pipelines for specialized datasets
- Developed deep learning models for eye gaze tracking with EVS cameras

Camera & tool

- PROPHESEE Metavision® Technology
- Cognex Machine Vision
- HikCamera & MVS

Devices

- Jetson, JRaspberry Pi
- Sunplus Board

Foreign Languages

- Intermediate English

Short Skills

- Communication
- Research
- Problem-solving skill
- Teamwork

Certifications

06/2024	TOEIC 500+
09/2023	CEFR B2 - EnglishScore Core Skills
06/2023	Certified Data Scientist - FUNIX
03/2023	Deep Learning Specialization by DeepLearning.Al on Coursera
03/2023	Sequence Models in Deep Learning - Coursera
02/2023	Convolutional Neural Networks in Deep Learning - Coursera
02/2023	Big Data Machine Learning Fundamentals - Cloud Ace Google Cloud
12/2022	Google Cloud Fundamentals: Core Infrastructure

References

Lecturer: Ph.D Lê Vĩnh Thịnh

Position: Head of Information Technology at HCMUTE

- Cloud Ace Google Cloud

Email: thinhlv@hcmute.edu.vn

- Created algorithms for fingertip detection and human movement analysis
- Built audio-to-3D animation conversion systems
- Implemented fall detection systems with high accuracy rates
- Optimized model performance for real-time applications
- Documented research findings and prepared technical reports
- Collaborated with cross-functional teams to integrate solutions

Al Fullstack Engineer

i-SOFT JSC 8/2023 - 8/2024

- Analyzed and proposed solutions for specific challenges at the factory, from planning data collection to deploying AI models.
- Planned and executed the data collection process, including labeling, augmentation, and noise reduction, to optimize data quality.
- Selected and deployed suitable deep learning models, while evaluating results and planning model improvements as needed.
- Deployed models in real-world environments, integrating with IP cameras to predict data and display results on user interfaces, and communicated with PLC systems for tasks such as alerts and robot stops.
- Implemented Docker containers for application deployment, ensuring consistency across development and production environments.
- Set up CI/CD pipelines for automated testing and deployment, improving development workflow and reducing deployment errors.
- Collaborated with the Frontend team to map APIs and construct a website managing violations.
- Contributed to significant projects such as Oral Line 2, PPE
- Ensured system stability and performance through rigorous testing and source code optimization.
- Continuously stayed abreast of new technologies and implemented improvements to enhance system functionality.
- Accomplishment: Achieved a globally recognized certification, officially confirmed by Unilever.

Fullstack Developer

New Ocean IS 2/2023 - 8/2023

- Design and implement APIs using design patterns in ASP.NET API to support the manufacturing process.
- Utilize Entity Framework to interact with the MSSQL database, ensuring data performance and consistency.
- Build and optimize stored procedures to execute complex queries and handle business logic on the database.
- Develop user interfaces for screens using Angular, ensuring aesthetic appeal and a good user experience.
- Implement data communication between the frontend and backend through APIs to ensure efficient data transfer.
- Use Azure for deploying and maintaining services related to the application, ensuring system availability and security.
- Collaborate closely with the team to design and deploy new features, and address issues arising during development.
- Technologies: .NET 8.0 API, Entity Framework, Azure, Angular, Tailwind, Ant-Design, MSSQL.

Software Engineer

THLONE Company 12/2021 - 02/2023

- Project: Pleiger, Owlgardien, Higgs Korea SCM-MES
- Developed a user interface using the Devextreme library and implemented the backend with ASP.NET MVC and MS SQL for a factory's production process management project.
- Collaborated with a team of developers to design and implement features, debug and resolve software issues, ensuring stable and reliable operation.
- Utilized the C# programming language to write efficient and scalable code, including the creation of Store Procedures for data retrieval.
- Contributed to project documentation and training materials to ensure user-friendly implementation and effective utilization.
- Technologies: Devextreme, ASP.NET MVC, MS SQL, C#, EmguCV

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