Nguyen Khanh Toan

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EDUCATION

•University of Economics Ho Chi Minh City (#301-350 QS WUR Ranking By Subject) *2021 - 2025*

BSc. Data Science GPA: 3.4/4

– Relevant Courses: Data Structures and Algorithms, Machine Learning, Statistical Analysis, Database Management Systems, Big Data Analytics, Artificial Intelligence, Data Visualization, Linear Algebra, Calculus, Probability and Statistics

•University of Economics Ho Chi Minh City *2021 - 2025*

BSc. Economic Mathematics GPA: 3.2/4

– Relevant Courses: Mathematical Economics, Econometrics, Statistical Analysis, Optimization Techniques, Game Theory, Financial Mathematics, Microeconomic Theory, Macroeconomic Theory, Linear Algebra, Calculus

WORK EXPERIENCE

•VisCom Solution *7/2024 - 10/2024*

AI Engineer Intern Ho Chi Minh City

– Developed and optimized computer vision models for object detection and counting systems.
– Assisted in training and fine-tuning deep learning models, improving accuracy and efficiency.
– Contributed to the integration of AI models into real-world applications and web-based platforms.

EXTRACURRICULAR ACTIVITIES

•Spring Volunteer Campaign (Collaborator) *(1/2023)*

– Participated in the Spring Volunteer Campaign organized by the university to contribute to the local community.
– Distributed supplies such as food, clothing, and essentials to underserved communities in Ho Chi Minh City.
– Assisted with organizing community events, including educational workshops and charity drives, to engage and support local residents.
– Supported community development projects aimed at improving infrastructure, such as helping with the construction of public spaces and cleaning up local areas.
– Collaborated with other volunteers and local organizations, gaining valuable experience in teamwork, leadership, and community outreach.

CERTIFICATIONS

•TOEIC (Score: 825/990) *2/2024*

HONORS & AWARDS

•Physics Bronze Medal *4/2019*

Awarded the Bronze Medal in the April 30th Traditional Olympic Competition for excellence in Physics.

TECHINICAL SKILLS

Programming: Python, C#, SQL, Java
Developer Tools: Linux, Docker, Git, PyCharm, Jupyter Notebook, Colab
Frameworks & Libraries: PyTorch, OpenCV, Scikit-learn, Numpy, Pandas
Specialization: Computer Vision, Natural Language Processing, Deep Learning.

PROJECTS

•Highway Counter - Project Link *8/2024*

A real-time vehicle detection system using YOLOv8, optimized for accurate traffic monitoring in diverse conditions.

– Team size: 3
– My position: AI Engineer
– My responsibilities:Developed YOLOv8 model for vehicle detection and counting, preprocessed traffic data, trained and fine-tuned the model for optimal accuracy
– Tools & technologies used: Python, PyTorch, YOLOv8, OpenCV, Pycharm, Linux
– Results: Achieved 95% accuracy in vehicle detection, significantly improving traffic monitoring and analysis

•Badminton Analysis - Project Link *6/2024*

Developed and implemented to detect players and shuttlecocks in badminton matches.

– Team size: 1
– My position: AI Engineer
– My responsibilities: included data preparation, model training, model deployment
– Tools & technologies used: Python, PyTorch, YOLOv8, OpenCV, Pycharm, Linux
– Results: Achieved 90% accuracy in tracking players and shuttlecocks, greatly improving the accuracy of match analysis