

Nguyen Quang Tung

Mai Dich, Cau Giay, Ha Noi

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“Be the change that you want to see in the world.”

Education

AOF(Academy of Finance)

BACHELOR'S CANDIDATE IN MANAGEMENT INFORMATION SYSTEMS

GPA: 3.6/4.0

Ha Noi, Viet Nam

Sep. 2023 - Present

Skills

Operating Systems	Windows, Android, Ubuntu, Kali Linux
Programming	C, C++, C#, Assembly, Java, Python, JavaScript, TypeScript, PHP, HTML, CSS, LaTeX, VBA, MATLAB, AppsScript
Web Frameworks & Libraries	Django, Node.js (Express), React, Tailwind CSS, Bootstrap
DevOps / CI / CD	Git, GitHub/GitLab, Docker, Docker Compose, GitHub Actions
Version Control	Git (branching, merging, pull requests, cherry-picking)
AI / ML / DL Tools	PyTorch, TensorFlow, Transformers, Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Hugging Face, LangChain
Databases	PostgreSQL, MySQL, MongoDB, SQLite, Oracle
Cybersecurity & Pentesting	Web (XSS, SQL/NoSQL/Command Injection, CSRF, SSRF,..); Network (scanning & enumeration, ARP/DNS spoofing, wireless auditing...); Basic Cryptography, hashing, TLS; Basic Reverse Engineering; OSINT; Data/Web Crawling/Scraping
Networking & Security Tools	Wireshark, Cisco Packet Tracer, Nmap, Burp Suite, OWASP ZAP, Metasploit Framework, Nikto, Acunetix, Hashcat, John the Ripper, Hydra, Aircrack-ng, Tor
Soft Skills	Problem-Solving, Communication, Teamwork, Adaptability, Time Management
Developer Tools	VS, VS Code, PyCharm, VMWare, Figma, Microsoft Visio, Google Colab, Kaggle, Github Copilot
Simulation Tools	AnyLogic, MATLAB Simulink
Languages	Vietnamese, English

Experience

Information Technology Club, Academy of Finance (AOF)

VICE PRESIDENT (STUDENT LEADERSHIP)

Hanoi, Viet Nam

Sep. 2025 - Present

Co-lead club operations and semester planning; coordinate weekly meetings and events related to Information and Technology.

Support study groups and intro sessions on programming, office information technology, machine learning/artificial intelligence and soft skills.

Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.

Handle logistics and communications (schedules, sign-ups, feedback) to improve member engagement.

Liaise with faculty advisors and partner student groups to organize talks and activities.

Projects

Integrating Management Information Systems with IoT

RESEARCH TEAM LEADER

Studied integration patterns and models between IoT devices and MIS (gateway → MQTT/HTTP REST → MIS; event-driven & digital-twin approaches).

Built simulations in AnyLogic (Java) to compare architectures.

Evaluated latency, throughput, availability, fault tolerance, and operating cost under varied loads and failure scenarios.

Concluded pros and cons of each simulated integration model under varying loads and failure scenarios.

Proposed AI-enabled integration designs (edge-AI + digital twin feedback + anomaly/predictive analytics + LLM workflows) to improve responsiveness and decision support.

Stock Price Prediction Using Machine Learning

CORE MEMBER

Forecasted daily close prices for the VN-Index (VNINDEX) and selected stocks using features: close price, volume, and same-period Bitcoin price. Implemented and compared MLP, LSTM, Bi-LSTM, Transformer, and XGBoost; time-series windowing, walk-forward validation, early stopping. Benchmarked against classical statistical baselines; reported RMSE/MAE/MAPE and visualized predicted vs. actual to assess generalization. Tech stack: Python (Pandas, NumPy, scikit-learn), PyTorch/TensorFlow, XGBoost, Matplotlib/Plotly, transformer.

Honors & Awards

2021	5th Place , MTA Cyber Security CTF Hacking Competition (MSEC CTF)	Ha Noi, Viet Nam
2021	Consolation Prize (12th Place) , ASEAN Student Contest on Information Security (ASCIS)	Ha Noi, Viet Nam
2024	Third Prize , Vietnam Student Informatics Olympiad (OLP)	Ha Noi, Viet Nam
2025	Consolation Prize , Faculty-level Scientific Research Award, Academy of Finance	Ha Noi, Viet Nam