THANH LONG LY

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Education

2023 – 2027   **National Economics University** Hanoi, Vietnam.
Data Science in Economics and Business
CGPA: 3.51/4.0

Extracurriculum Activities

2023 – 2024   **Collaborator in Communication Department**, Club of Actuary Pioneers, National Economics University.

- Developed high-impact promotional assets to drive attendance and enhance club visibility.

2024   **Contestant**, MOS World Championship 2024, National Economics University.

- Competed at the regional level in the Microsoft PowerPoint 365 track.
- Mastered complex slide master workflows, multimedia integration, and sophisticated animation techniques under competitive constraints.

2024 – 2026   **Member of Communication Department**, Union of Faculty of Mathematical Economics, National Economics University.

- Conceptualized and executed visual branding for high-profile charity initiatives and freshman orientation events.

2025 – Present   **Research Assistant**, Predictive Models and Machine Learning Research Applications, National Economics University.

- Actively participated in research projects, including data collection, analysis, and model development.
- Developed and implemented AI applications for businesses and organizations.
- Engaged and presented multiple technical webinars and workshops to share knowledge and insights with the community.

Experience

2025 – Present   **AI Engineer Intern**, Alpha Data Academy, Hanoi, Vietnam.

- Developed an Agentic RAG System for Rang Dong, a company in the lighting industry.
- Participated in the design of data ingestion pipeline for the system.
- Optimized the response to be natural and human-like.

Projects

2025 – Present   🔖 **Rang Dong AI Sales Agent**, Rang Dong, Hanoi.

- Engineered a conversational agent that replicates the e-commerce web navigation experience, guiding customers through product discovery and purchase decision funnels via natural language.

- Deployed the solution to production at `https://rangdong.com.vn/`, enhancing user engagement by providing an intuitive alternative to traditional site navigation.

2025   🔖 **Gigabyte Sales Agent**, Hackathon "Master AI, Master Careers"`https://www.facebook.com/profile.php?id=61576714508472`, Ho Chi Minh City.

- Engineered a conversational agent that replicates the e-commerce web navigation experience, guiding customers through product discovery and purchase decision funnels via natural language.

- Deployed the solution to production at `https://rangdong.com.vn/`, enhancing user engagement by providing an intuitive alternative to traditional site navigation.

Research Publications

Conference Proceedings

1   T. P. Trinh, A. T. Tran, T. L. Ly, A. K. Phan, Q. A. Bui, and N. H. Dang, "Agentic B2B2C AI - how AI has been transforming B2B2C e-commerce in vietnam," 2026.

2   M. D. Phung, B. D. T. Vu, T. L. Ly, T. H. T. Duong, and K. L. Pham, "The regulatory role of provincial governments in the impact of labor shift on agricultural production efficiency in Vietnam," in *Proceedings of the National Scientific Conference: Vietnam's Economy in 2024 and Prospects for 2025*, Promoting Economic Institutional Reform in the New Context, Hanoi, Vietnam: National Economics University Publishing House, 2025, pp. 488–501.

Skills

Languages	🔖 Highly Proficient English, Native Vietnamese, Basic Chinese.
Coding	🔖 Python, LaTeX, Swift, C++, SQL, JavaScript.
Databases	🔖 MySQL, PostgreSQL, MongoDB, Supabase, Qdrant.
Cloud, DevOps	🔖 AWS, Docker, Kubernetes, Git, GitHub, Jenkins, HuggingFace.
AI/ML Frameworks	🔖 PyTorch, TensorFlow, MLFlow, Scikit-learn, HuggingFace Transformers, LangChain, LangGraph.