Anh Dao

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Education

M.Sc. in Computer Science Aalto University, Finland | *Aug 2024 – Present*
GPA: 4.25/5.00

B.A. in Computer Science Grinnell College, USA | *Aug 2019 – May 2023*
GPA: 3.76/4.00

Experience

Nokia Solutions & Networks – Finland *Aug 2025 – Present*
R&D Trainee (Python/React/GCP)

- Developing multi-agentic systems and document processing pipelines (Python, React, GCP, Vertex AI) to create data corpora for RAG systems

Aalto University – Finland *Aug 2024 – Present*
Teaching Assistant (Python/Docker/Kubernetes)

- Supporting 5 Master-level courses; developing autograders and containerized lab environments (Docker/Kubernetes)

Microsec Zrt. – Budapest, Hungary *Jun – Aug 2022*
Software Engineer Trainee (Go)

- Developed PKI certificate linter in Go; implemented X.509 extension parsing following RFC5280 standards

Grinnell College – DASIL – USA *Aug 2022 – May 2023*
Research Assistant (R/Python)

- Built multivariate statistical models in R/Python for Stat2Labs, used by 1000+ students across 5 institutions

Grinnell College – CS Dept. – USA *Aug 2021 – Dec 2022*
Peer Educator (Java/C)

- Hosted weekly mentor sessions for 100+ students; provided coding challenges and Q&A on course materials

Projects

Complex Event Processing with Load Shedding (Python) *2025*

- Implemented state-based load shedding with $O(1)$ hash table retrieval and feedback controller for latency optimization

GraphRAG with LRU Caching (Python/Kuzu) *2025*

- Enhanced GraphRAG pipeline achieving 60-90% memory savings with Text2Cypher and iterative query refinement

LLM Cost Analysis and Optimization (Python/GCP/Vertex AI) *2025*

- Analyzed LLM inference costs; developed benchmarking suite comparing model configurations on Vertex AI

ICS Network Security in IIoT (Seminar Paper) *2025*

- Analyzed Purdue model, Zero-trust Architecture, and micro-segmentation for Industrial Control Systems security

Skills

Languages: Python, C/C++, CUDA, Java, Go, R, JavaScript/TypeScript, SQL

ML/Systems: PyTorch, scikit-learn, NumPy, pandas, Docker, Kubernetes, GCP, Vertex AI