

# Anh Dao

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## Education

**M.Sc. in Computer Science**  
GPA: 4.65/5.00

Aalto University, Finland | Aug 2024 – Present

**B.A. in Computer Science**  
GPA: 3.76/4.00

Grinnell College, USA | Aug 2019 – May 2023

## Experience

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

Aug 2025 – Present

- Developing multi-agentic systems and document processing pipelines (Python, React, GCP, Vertex AI); creating data corpora for RAG systems to improve information retrieval accuracy
- Building LLM-powered tools automating 40% of manual data processing workflows for the 4LS team

**Aalto University** – Finland

Aug 2024 – Present

*Teaching Assistant (Python/Docker/Kubernetes)*

- Supporting 5 Master-level courses (>300 students); developed autograders reducing grading time by 60%
- Maintaining containerized lab environments with high uptime for daily student submissions

**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