

Dang Lam

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EDUCATION

University of Texas at Arlington

Arlington, TX

Bachelor of Science in Software Engineering

Jan. 2024 – December 2027

- **Courses:** Data Structures & Algorithms, Computer Systems, Operating Systems, Database Systems, Software Engineering, Machine Learning, Artificial Intelligence/NLP, Web Development, Human-Computer Interaction

TECHNICAL SKILLS

Backend & APIs: Node.js, Express.js, FastAPI, REST/GraphQL APIs, Authentication, CI/CD (Docker)

Frontend Development: React.js, Next.js, Vue.js, React Native, SwiftUI, Responsive UI/UX (Figma)

Databases & Storage: PostgreSQL, MongoDB, Firebase, Redis, Vercel Postgres, Cloud Blob Storage

Cloud & DevOps: AWS(EC2,S3,Labda), Vercel, Netlify, Heroku, Docker, Cloud Monitoring & Deployment

EXPERIENCE

FinBud AI

June 2025 - August 2025

Full Stack Engineering Intern

Chicago, IL

- **Built Cloud-Native Microservices:** Developed and deployed backend microservices on **AWS/Heroku** with **Node.js + Docker**, improving scalability and reducing downtime incidents by **30%**
- **Integrated Financial Data Pipelines:** Created **real-time API** integrations with external financial services, enabling low-latency data flow and reducing analytics response time by **25%**
- **Delivered Client-Facing Features:** Increased client engagement by building **React.js/Next.js** dashboards with streamlined workflows for financial insights

Esmart Solutions Agency

March 2024 - August 2024

Full Stack Engineering

Saint Paul ,MN

- **Optimized Backend Infrastructure:** Improved **API** performance by **35%** by implementing caching, query optimization, and error-handling in **Node.js/Express**
- **Automated Data Collection at Scale:** Processed **10,000+** records weekly by building pipelines with cloud-based storage for accurate reporting
- **Full Stack Dashboard Development:** : Built responsive **Vue.js** dashboards integrated with **backend APIs**, enabling end users to visualize data seamlessly and improving decision-making

CF Hub

Sep. 2023 - Dec. 2023

Career Foundation Membership

Smithfield , VA

- **Engineered Secure Backend Services:** Architected **RESTful APIs** with **Express.js + PostgreSQL**, implementing validation and authentication protocols that reduced database access errors by **25%**
- **Accelerated Cloud Deployments:** Streamlined release workflows using **Docker + GitHub Actions**, automating testing and deployment pipelines to shorten delivery cycles by **40%**
- **Enhanced Frontend Collaboration Tools:** Developed **React.js** interfaces tightly connected to **backend APIs**, improving real-time collaboration, reducing load times, and delivering a smoother user experience

PROJECTS

- **Resume2Review:** Built an AI-powered résumé review platform with **FastAPI/Next.js** backend and **Vercel Postgres/Blob Storage**, reducing review time by **60%** and improving feedback accuracy by **20%** with **RAG + caching** and cutting overspending by **20%** through AI-driven insights
- **Findeep:** Developed a full stack financial analytics platform with a **Node.js/Express + PostgreSQL** backend and **React.js** frontend, deploying via **Docker + AWS** to improve data query speed by **30%**
- **Job Application Multi-Agent System:** Developed a multi-agent web application with **Next.js**, **MongoDB**, and **Redis** that automated end-to-end job applications, processing **20+** postings and reducing application time by **70%** through resume tailoring, cover letter generation, and submission tracking.

HONORS AND AWARDS

Top 30 – ICPC Mid-Central USA Regional Contest 2022: Solved 3 of 6 complex algorithmic problems
Runner-up - RichLand Local Programming Contest 2022: Placed 2nd by solving 5 of 6 Kattis problems
Gold Medal – World Mathematics Team Championship (WMTC) 2017: Earned top distinction in an international competition with 10+ countries.