Lam Anh Truong

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EDUCATION

George Mason University — Fairfax, VA
Master of Science, Computer Science — *Dec 2027*
Courseworks: *Analysis of Algorithms, Software Design and Architecture, Object Oriented*

California State University, East Bay — Hayward, CA
Bachelor of Science, Computer Science, GPA: 3.5/4.0 — *Aug 2019 – May 2023*
Courseworks: *Data Structures and Algorithms, Computer Architecture, Operating Systems
Software Engineering, Website Development, Artificial Intelligence, Computer Networks and Security*

EXPERIENCE

Software Data Engineer — Oct 2023 – June 2025
Bay Atlantic University — *Washington, DC*
- Migrated **2K+** student records from Salesforce to Student Information System (SIS), and ensured **100%** data integrity by scripting automated validation in **Python** and **SQL**.
- Created an AI-powered FAQ chatbot using **DeepSeek** and **Ollama**, leveraging **NLP** models to parse academic catalogs to reduce repetitive inquiries from students and staff by **70%**.
- Developed reports system in SIS to generate **50+ types** of realtime operational reports.

Full Stack Software Developer — Feb 2023 – September 2023
OpenKnect — *Baltimore, MD*
- Led **7 people** to integrate job posting platforms for **10 clients**.
- Developed of a modular application serving **10K+** active users, increasing user engagement by **20%** through UI components using **React** and **Relay**.
- Boosted job posting efficiency by **80%** using a serverless **GCP** backend to automate **500+** monthly jobs with Meta and LinkedIn APIs.

C++, Data Structures and Algorithms Tutor — Oct 2020 – Dec 2022
STEM Lab, Califorania State University, East Bay — *Hayward, CA*
- Instructed **C++** data structures and algorithms, emphasizing efficiency, complexity, and engineering best practices; achieved an **80%** success rate among **300+ students** with an average GPA of 3.6/4.0.

PROJECTS

Cookit E-commerce Platform | *Node.js, Next.js, React, MongoDB, Stripe, GCP* — June 2023 – Present
- Designed and launched a full-stack e-commerce platform tailored for culinary creators, generating **$1K+** and achieving **40%** user growth in 2 months.
- Engineered a secure and scalable architecture using **Next.js**, **Tailwind CSS**, **Prisma**, **NextAuth**, **Postgresql**, and **Stripe** to ensure smooth performance and robust user authentication.
- Leveraged **React Query** for state management, enabling realtime interactions across storefront and admin.

Social Media Web Application | *React, Redux, GraphQL, GCP* — May 2022 – May 2023
- Developed a full-stack web application using **Next.js** and **GCP**, boosting user interactivity by **50%** through modular architecture and dynamic UI components.
- Implemented **Firebase Authentication**, **Cloud Functions**, and **Firestore** to enable secure user roles, post-editing workflows, and media storage, driving a **30%** increase in user retention.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, C, Java, SQL, HTML/CSS, R
Frameworks: Next.js, React, Flutter, Node.js, Express
Developer Tools: Firebase, MongoDB, PostgreSQL, GCP, AWS, Ubuntu, Linux, Git, GitHub, Redux, React Query, GraphQL, Prisma, Tailwind CSS, Server Socket
Certificates: Google UX Design, Google Cloud Developer, Google Cloud Digital Leader Training, Meta Front-End Developer, AWS Certified Solutions Architect - Associate, Google IT Automation with Python