# Lam Anh Truong

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## EDUCATION

**George Mason University**                                         Fairfax, VA
*Master of Science, Computer Science*                                *Dec 2027*

**California State University, East Bay**                           Hayward, CA
*Bachelor of Science, Computer Science, GPA: 3.5/4.0*      *Aug 2019 – May 2023*

## 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*
- Developed of a modular application serving **10K+** active users, increasing user engagement by **20%** through UI components and state management.
- Boosted job posting efficiency by **80%** using a serverless **GCP** backend to automate **500+** monthly jobs with Meta and LinkedIn APIs.
- Led **7 people** to create a **Python**-based SaaS pipeline, integrating job posting platforms for **10 clients**.

**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