

PHU ANH KHANG LE

(346) 252-9698 | anhkhang.le0910@gmail.com | Tampa, FL
khang-portfolio.vercel.app | linkedin.com/in/anhkhang-le | github.com/therealozp

EDUCATION

University of South Florida

Tampa, FL

- BSc. in Computer Science, Minor in Economics, GPA 4.0/4.0 Aug 2022 – May 2026
- Coursework: Program Design, Computer Logic and Organization (TA), Data Structures & Algorithms, Software Engineering
- CodePath Advanced Interview Prep (TIP103) Summer 2024

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, C#, C, HTML, CSS, Java, Golang, Rust, RISC-V

Web Technologies: React, React Native, Next, Svelte, Three.js, GSAP, GraphQL, ExpressJS, NodeJS, MongoDB, SQL, FastAPI

Data Science and Machine Learning: PyTorch, Torch Geometric, Pandas, NumPy, Scikit Learn, Tensorflow, Keras, Docker

OSes and Dev Tools: Linux/Unix, macOS, Windows, Fedora, Red Hat, Debian, Arch, Bash, Git, AWS, Google Cloud

EXPERIENCE

AI Researcher/Engineer Intern | Kyanon Digital

Vietnam, May – August 2024

- Enhanced customer profiling accuracy by **25% over traditional methods** by developing an innovative approach using representation learning on complex transaction data.
- Engineered a proof-of-concept for robust customer representation with knowledge transfer and autoencoders, enabling continuous learning and **solving cold-start problems**, boosting performance on baselines such as deep models and XGBoost.
- Researched cutting-edge tabular learning techniques such as SubTab and TabPFN, and delivered a comprehensive proposal utilizing PyTorch, HuggingFace, MLFlow, Docker, and Streamlit.

Data Acquisition Lead | Bulls Racing SAE

Tampa, January 2024 – Present

- Implement hardware drivers for NovAtel, CAN, and Ouster LIDAR in C++ and Boost, enabling reliable vehicle-to-vehicle communication via UDP sockets.
- Create specialized C++ math library, **optimizing computation speeds by 230%** and lead code reviews to ensure memory safety.
- Spearhead development of bespoke ERP software, improving resource management and project tracking efficiency.

Full-stack Developer | Augmented Reality Integration Solutions (ARIS)

Remote, June 2023 – Present

- Led a team of 5 in developing a 3D editor from scratch using ThreeJS, **enhancing UI and system responsiveness by 60%** through local storage progress caching and batching server updates.
- Established a scalable backend with MongoDB and DigitalOcean Spaces, fortified user security with NextAuth and JWT, and integrated Stripe for subscription management.
- Accelerated MVP development within a 4-month period, culminating in a first-place win for funding at a conference with **over 1000 industry experts**.

PROJECTS

the last data structures visualizer you will ever need | Vite, Chakra-UI

January 2024

- Enhanced data structure comprehension by using react-force-graph for interactive visualization of graphs and binary trees.
- Implemented animations for Dijkstra's and A* pathfinding algorithms, enriching engagement with traversal visualizations.
- Amplified rendering efficiency by 120%** via memoization and batch updates, streamlining UI performance.
- Pioneering maze generation features using depth-first techniques to further interactive learning experiences.

LegAI | NextJS, FastAPI, Python, PostgreSQL, ChromaDB

October 2023

- Collaborated with a 5-person team to engineer legal document processing AI, enhancing queries with semantic analysis.
- Streamlined data operations by integrating PostgreSQL with ChromaDB, resulting in a **90% boost** in processing speeds.
- Built backend architecture using Fast API, facilitating advanced text and image processing with Google Cloud Vision.
- Optimized text content analysis and info extraction using OpenAI's Ada-002 embedding model via LangChain.

HONORS & AWARDS

Top 3 teams in International Collegiate Programming Contest (ICPC) Southeast Regionals

2024

Runner-up in Morgan & Morgan AI Challenge at KnightHacks

2023