PHU ANH KHANG LE

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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 Computer Logic and Organization **(TA)**, Data Structures & Algorithms, Software Engineering

EXPERIENCE

AI Researcher/Engineer Intern | *Kyanon Digital* — Vietnam, May – August 2024
- Enhanced customer profiling accuracy **by 22% 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, 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.**

Lab Assistant | *RANCS (Resilient, Autonomous, Networked Control Systems) Lab* — Tampa, October 2023 – Present
- Collaborated with a cross-functional team to engineer an autonomous vehicle, integrating hardware such as **cameras, radars, Dataspeed controllers, and KVaser interfaces** to achieve sensor fusion, leading to successful deployment.
- Develop SDK for Cohda MK6s and UDP socket library in C++ to facilitate custom data packet transmission.
- **Programmed firmware for ADMA-G GNSS/INS devices**, capturing precise position and velocity data for autonomous bus project for the Florida Department of Transportation.

Data Acquisition Lead | *Bulls Racing FSAE* — Tampa, January 2024 – Present
- Secured a **$1,000 sponsorship** from LabJack for DAQ devices, enabling real-time diagnostic information from car sensors.
- Manage robust testing logs database, and hosted MoTec literacy sessions for teammates to make more data-focused decisions.
- Create specialized C++ math library, **optimizing computation speeds by 230%** and lead code reviews to ensure memory safety.

Full-stack Developer | *Augmented Reality Integration Solutions (ARIS)* — Remote, June 2023 – Present
- Led team of 5 to develop a B2B 3D solution using Three and NextJS, **enhancing responsiveness by 60%** through local storage 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 and A*, and **improved rendering speeds by 120%** via memoization and batch updates.
- Integrating maze generation algorithms using depth-first techniques to further interactive learning experiences.

LegAI | *NextJS, FastAPI, Python, PostgreSQL, ChromaDB* — October 2023
- Streamlined information retrieval by integrating PostgreSQL with ChromaDB, resulting in a **90% boost** in processing speeds.
- Built Fast API backend infrastructure, facilitating advanced text and image processing with Google Cloud Vision.
- Optimized content analysis and information extraction using OpenAI's Ada-002 embedding model via LangChain.

SKILLS

Languages: Python, JavaScript, TypeScript, C++, C#, C, Java, Golang, Rust, RISC-V
Web Technologies: React, React Native, Svelte, NodeJS, FastAPI, GraphQL, ExpressJS, MongoDB, SQL
Systems and Tools: Linux/Unix, Windows, Bash, Git, AWS, Google Cloud

HONORS & AWARDS

Top 3 teams in ICPC Division 2 Southeast Regionals — 2024
Runner-up in Morgan & Morgan AI Challenge at KnightHacks — 2023