

Tu Thanh Kha Le

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WORK EXPERIENCE

UMSL Information Technology Services

Sep. 2024 – Present

Instructional Support Services Consultant

St. Louis

- Provide comprehensive support to all open classrooms and computing labs on campus.
 - **Responsibilities:** Assist end users with technical issues and ensure smooth operation of department equipment.

UMSL Technology Support Center

Sep. 2021 – May. 2024

Technical Support Helpdesk

St. Louis, MO

- Provide excellent customer service, helping issues with hardware and software, both over the phone and in-person.
 - **Skills Learned:** Troubleshoot software, image and wipe computers, support hardware problems by repairing physical parts, engage with team to tackle complex technical issues.

UMSL Technology Procurement

Oct. 2022 – Mar. 2023

Office Support Assistant

St. Louis, MO

- Supply chain oriented, communicate with vendors and follow the UMSL ITS procurement policies, review orders to meet customers' needs.

EDUCATION

University of Missouri – St. Louis

Dec. 2025

B.S., Cybersecurity with emphasis in Computer Science

St. Louis, MO

- **GPA: 3.8/4.0**

SKILLS

- **Skills:** Website Building, Machine Learning, ISO/IEC 27000 Series
- **Programming:** Python, Java, C++, SQL, HTML, CSS, JS

PROJECTS

[Real Estate Price Prediction Web Application](#)

Apr. 2025

- Developed an interactive map interface utilizing machine learning models to predict U.S real estate prices with geographic visualization, integrating CPI, mortgage rates, and unemployment data.
- Engineered a full-stack solution with Python (FastAPI), neural networks for price prediction, RESTful APIs for real time price predictions, and large CSV data for market analysis.

[Notepad](#), Full-Stack CRUD Notepad with OAuth 2.0

Feb. 2024

- Developed a web app using Flask (Python) for backend, SQLAlchemy with PostgreSQL for database.
- Created a RESTful API for CRUD (Create, Read, Update, Delete) operations on user notes.
- Implemented secure authentication with Google Sign-In OAuth 2.0, and security features CSP and CSRF.

[IP Sniffer](#), IP Information Lookup

Dec. 2023

- Integrated third-party APIs using Shodan and VirusTotal for comprehensive IP intelligence gathering.
- Enabled real-time threat detection.

[Network Mapper](#), Network Scanning and Analysis Tool

Dec. 2023

- Coded a comprehensive network scanning tool with Python, integrating Nmap library network analysis.
- Engineered port numbers and services to identify potential vulnerabilities in network infrastructure.

[Password Tester](#), Password Security Tool

Nov. 2023

- Implemented SHA1-hashing for secure password, checking for leaked password using “Have I Been Pwned” API.