

Tam Nguyen

10420 McKinley Dr, Tampa, FL 33612
nguyenminhtam7124@gmail.com | 813-647-3229

Education

Bachelor of Science in Computer Science

University of South Florida (USF) | **GPA:** 4.0/4.0

May 2025

Tampa, FL

Experience

Research Assistant

January 2023 – Present

University of South Florida

- Assisted Dr. Yicheng Tu and Mr. Minh Pham in developing 3 gene analytics algorithms.
- Analyzed and simulated the database caching process with Python, MySQL, and PostgreSQL.
- Integrated GPU parallel computing to optimize gene analyzing process, boosting performance by 100% and saving processing time by 50%.

Programming Instructor

January 2023 – Present

Brightchamps

- Delivered game-based lessons in Scratch, Thunkable, and Python to 20 children from 4 countries.
- Enhanced company's curriculum by incorporating lessons on environmental protection and gender equality, increasing student engagement by 20%.

Technical Leader

January 2023 – Present

Google Developer Student Club

- Collaborated with 11 developers to build an idea board application using NodeJS, ReactJS, and Firebase.
- Hosted workshops on software development that attracted 25 guests.
- Provided mentorship to 5 individuals on MERN, API, Flask, and web crawler.

Software Engineer Intern

October 2022 – January 2023

KIPE Vietnam

- Developed a full-stack website with Bootstrap, PHP, and MongoDB that increased company's social media engagement by 20%.
- Built a management application using Windows, Apache, MySQL, and Python that improved HR department's efficiency for 25%.
- Collaborated with the marketing team to design and implement a responsive, user-friendly interface that aligns with the company's branding and improves the user experience.

Projects

Multi-media Texting Platform

- Created a cross-platform messaging app that integrates with Gmail, Messenger, Instagram, and Snapchat.
- Designed an intuitive and visually appealing GUI with Qt framework.
- Facilitated real-time communication using REST API, MySQL, socket, and HTTP server, reducing network latency to 5ms.

Class Registration Website

- Developed a website to assist students in registering classes.
- Implemented a complete web infrastructure utilizing Flask framework, RESTful APIs, and MongoDB.

Skills

Languages: C++, Python, Java, JavaScript

Frameworks and Libraries: Flask, Django, ExpressJS, ReactJS, NodeJS, jquery, PyQt5, Tkinter, Scikit-learn

Database: MySQL, SQLite, MongoDB, Firebase, Microsoft Access

Tools: Git, Postman, Docker, QtDesigner, IntelliJ