**KHANH NHU NGUYEN**

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**EDUCATION**

Georgia Institution of Technology, Atlanta, GA December 2026

**Master of Science in Computer Science**

* Relevant Coursework**:** Graduate Algorithm, Advanced Operating System, Computer System, Numerical Methods

University of Houston, Houston, TX August 2024

**Bachelor of Science in Computer Science -** Minor in Mathematics

* Honors: 2nd Place in Fall 2023 Data Science Showcase

**SKILLS**

Expert in Python, C/C++,and MATLAB.

Proficient in Java, JavaScript, CSS, Swift.

Tools: MySQL, MS Office.

Speak, read, and write efficiently in English and Vietnamese.

**EXPERIENTIAL LEARNING AND PROJECTS**

**Data Synthesis** Fall 2021

Participated in TAMU Datathon 2021

* Implemented a preliminary heat map of vaccination 3000 tweets related using Twitter API to gather Twitter Data from web-scraping and presented in form of heatmap using JavaScript.
* Authenticated our access to limit search geographical domain to the US using libraries on Python.

**Pizzeria - Celonis 21 Challenge**

Participated in TAMU Datathon 2021

* Predicted the net gains and loss of the purchases using Random Forest algorithm.
* Attained 98% accuracy with the prediction program.

**State Farm Healthcare Mobile Application** Spring 2022

Participated in TAMU Hackathon 2022

* Designed an IOS application that using HealthKit API to monitor customer living habits.
* Using Statistic and Advanced Math to calculate the discount to reward good living behavior from the customer.

**Group Leader**

Database Project - Coog Clinic DatabaseFall 2023

* Developed a web application for a healthcare provider, streamlining scheduling, data access, and enhancing operational efficiency.
* Built distinct portals for doctors, nurses, and administrators, enabling effective schedule management, secure data handling, and improved patient care.
* Incorporated robust security features, ensuring secure user access and maintaining patient confidentiality.

**WORK EXPERIENCE**

**Student Technician - Biomedical Engineering in Texas A&M University** Fall 2021

* Developed a Microscopy Portable Phone App with microscopy lenses for non-invasive diagnostic imaging.
* Implemented Machine Learning on Android app to measure PT/INR levels at point of care using neural network supervised-learning algorithm.

**Peer Tutor - Tutoring Center in Lone Star College CyFair.**  Spring 2022

* Provided 1:1 and small group instruction on Calculus, Differential Equation and Physics to undergraduate students.
* Participated as Math Tutor for Exam Jam and Exam Cram for Final.