Phu "Jack" Nguyen

832-282-8171 | phu.h.g.nguyen@tamu.edu | phuhgnguyen.github.io | www.linkedin.com/in/phuhgnguyen

EDUCATION

TEXAS A&M UNIVERSITY College Station, TX
Bachelor of Science in Computer Science. GPA: 4.00 May 2023
Honors: Meredith H. James Endowed Scholarship: $1000
Relevant Coursework: Data Structures and Algorithms, Program Design and Concepts, Computer Organization, Principle of Statistics I, Discrete Structures for Computing, Electrical Circuit Theory, Digital Systems Design, Engineering Lab Computation

SKILLS

Proficient: C++, LaTex, HTML, CSS
Familiar: Python, Git

RELEVANT EXPERIENCE

TEXAS A&M DEPARTMENT OF ENGINEERING Fall 2021
Undergraduate Peer Teacher

- Providing administrative and technical assistance and maintaining good communication with the professor to foster a productive teaching environment
- Communicating and instructing students (Python) one-on-one during office hours to ensure students' academic success and create an inclusive learning environment
- Grading students' work and providing constructive feedback to evaluate and enhance student comprehension of the material

LIBRARY DATABASE MANAGEMENT SYSTEM (C++) Spring 2021

- Implemented a doubly linked list data structure to create a database management system
- Utilized generic programming through templates to improve program design and reduce coding time
- Composed a detailed report to observe good program documentation practices

MINIMUM PRIORITY QUEUE CPU IMPLEMENTATION (C++) Spring 2021

- Researched three implementations of a minimum priority queue using a vector, linked list, and binary heap to improve runtime efficiency for a computer processor simulation
- Utilized inheritance to modularize and refractor code, leading to reduced coding time
- Composed a report to document program design and analyze effects on runtime

DISCOVER AI 2020 Fall 2020

- Researched common machine learning algorithms such as regression, gradient descent, and decision trees
- Created a machine learning model using Google's web-based tool Teachable Machine to investigate and demonstrate current limitations in machine learning

ACTIVITIES

AGGIE CODING CLUB August 2020 – Present
TAU BETA PI August 2020 – Present
ENGINEERING HONORS August 2019 – Present
TEXAS A&M VIETNAMESE STUDENT ASSOCIATION May 2020 – Present