

Duc Pham

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EDUCATION

University of Houston, College of Natural Science and Mathematics

Houston, Texas

Bachelor of Science in Computer Science | Minor in Management Information Systems

May 2026 (Expected)

GPA: 3.91

Relevant Coursework: Data Structures, Operating Systems, Database Systems, Computer Architecture, Data Science

PROJECTS

Museum Management System | *Developer/Node.js, React.js, javascript, MySql, Git*

January 2025 – Present

- Developing a relational database system to manage museum collections, artists, exhibits, and visitor information.
- Implementing SQL queries to manage and retrieve data efficiently, such as fetching all artworks by a specific artist or finding exhibits for specific visitors
- Collaborating with a team of 5 using Git to develop a full-stack museum database application leveraging React.js for the front-end, javascript for the back-end, and MySQL for data storage.

RPG Project | *Developer/c++*

October 2023 – December 2023

- Designed and developed a game using a text-based user interface (UI) to facilitate user interaction and decision-making within the game.
- Implemented core aspects of object-oriented programming such as classes, inheritance, encapsulation, abstraction, and polymorphism to efficiently organize and utilize data, enhancing code structure and maintainability.
- Leveraged C++ as the primary programming language for this project, utilizing its features and capabilities to develop and enhance overall performance and functionality.

Task Tracker Application | *Developer/html, css, javascript*

July 2024-July 2024

- Developed a task tracker app that allows users to track their tasks throughout the day.
- Implemented frontend, utilizing basic functionalities of HTML, CSS, and JavaScript.
- Utilized browser local storage to save user tasks, ensuring data persistence even after the application is closed.
- Provided basic CRUD functionalities (Create, Read, Update, Delete), including adding, deleting, marking off tasks, and ensuring seamless user interaction with task management.

EXPERIENCE

ConocoPhillips Learning Center

Houston, TX

Academic Support Assistant

January 2025 – Present

- Guide students in understanding computer science concepts such as object-oriented programming, data structures, and algorithm fundamentals, ensuring they build a strong foundation in key programming principles.
- Deliver exceptional academic support by tailoring lessons to individual student needs, ensuring their questions and concerns were addressed with care and patience.
- Provide follow-up resources and personalized feedback to reinforce student learning and enhance their understanding of challenging topics.

LEADERSHIP

Vice President | *UH Cards for Humanity*

October 2023 – Present

- Organized meetings to create hand-written holiday cards that are delivered to local Houston nursing homes.
- Collaborated with fellow officers to ensure the club operates smoothly and efficiently, fostering a positive environment for members and promoting engagement in activities.
- Upheld community values of compassion and connection by creating meaningful interactions through handwritten cards, enriching the lives of elderly residents and fostering a sense of belonging.

TECHNICAL SKILLS, ACTIVITIES, & INTERESTS

Languages: Python, C/C++, Assembly, JavaScript, html/css, React, SQL, R

Developer Tools: Git, VS Code, Visual Studio, Shell

Certifications: Microsoft Introduction to Programming using Python (August 2021 - May 2022)