

Quenton Hua

Houston, TX | 832-630-3525 | Hua.quenton@gmail.com | quenton-hua.github.io/portfolio

EDUCATION

Texas A&M University

Sep 2021 – May 2024

Bachelor of Science in Computer Engineering

College Station, TX

- Organizations: Institute of Electrical Engineers (IEEE).
- Relevant Coursework: Data Structures and Algorithms, Intro to Computer Systems, Signal and Systems, Computer Architecture and Design, Intro to Digital System Design, Discrete Structures for Computing.

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise (HPE)

May 2023 – Current

Software Engineer Intern

Fort Collins, CO

- Developed automated test cases for ClusterStor storage systems to ensure the proper frontend and backend functionality of the GUI.
- Utilized APIs to seamlessly interact with TestRail test management software and Jenkins for efficient test execution and result reporting.

JPMorgan Chase & Co.

Jun 2022 – Aug 2022

Software Engineer Intern

Houston, TX

- Built a neural network to predict user selections in order forms containing hundreds of product specifications, minimizing the number of questions a client must manually fill out.
- Developed, trained, and deployed a neural network with a prediction accuracy of 98% within AWS.
- Created Python scripts to filter large volumes of JSON client data into a supervised learning model for training.
- Spearheaded development of first machine learning solution for team project with complete technical documentation in Confluence and presentation of final product.
- Established and followed an Agile methodology throughout project for fast and efficient delivery.

PROJECT EXPERIENCE

Mental Health Tracker (Blossom)

Jan 2022

Competitor – TAMUhack

Houston, TX

- Created a mental health tracker that allows a user to log their mood through a selection of 5 emoticons (happy-sad) with additional visualization and monitoring of mood progression through trend lines.
- Designed web user interface end to end with a focus on intuitive user experience, implementing graphics and APIs with HTML, CSS, JavaScript, and Python.

NAE Project Solar Calculator

Jan 2021 – Apr 2021

Project Lead – University of Houston

Houston, TX

- Produced a MATLAB application to estimate cost of setting up a solar farm and amount of time needed to turn a profit based on a user's square footage of house and state using MATLAB and Excel.
- Led team of four by organizing team meetings, recording progress of project against goals and timelines, informing members of changes or complications, and delegating tasks to team members.

Reconfigurable Modular Manipulator (RMM)

Sep 2019 – Dec 2019

Intern – TRAClabs

Houston, TX

- Updated a circuit schematic for TRAClabs' Reconfigurable Modular Manipulator (RMM), a highly modular robotic arm built for NASA.
- Adjusted schematic design of arm joint to be compatible with a redesigned locking mechanism on joint of a robotic arm, enabling transfer of data and power and easier disassembly of arm.

TECHNICAL SKILLS

Frameworks/Packages: Amazon Web Services (AWS), Bootstrap, NumPy, Pandas, Tensorflow, Jupyter, Pytest

Languages: Python, C++, JavaScript, HTML, CSS, MATLAB, Verilog