

Quenton Hua

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EDUCATION

Texas A&M University

Bachelor of Science – Computer Engineering | GPA 3.5

College Station, TX

Sep 2021 – May 2024

PROFESSIONAL EXPERIENCE

JPMorgan Chase & Co.

Software Engineer Intern

Houston, TX

June 2022 – August 2022

- Developed a neural network that predicts user selections in a form using Tensorflow.
- Utilized AWS environment to develop, train, and deploy a machine learning model with a prediction accuracy of 98%.
- Developed scripts in python to process large volumes of client data and feed into model.
- Provided first machine learning solution to team project and documented development process.
- Applied Agile practices in a large team.

SKILLS

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

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

PROJECT EXPERIENCE

Mental Health Tracker (Blossom)

Competitor – Tamuhack

Houston, TX

Jan 2022

- Created a mental health tracker prototype that allows user to log their mood, offering a selection of 5 emoticons (happy-sad) with the capability of monitoring user progression through trendlines.
- Contributed as a front-end developer, designing user interface for website, and implementing graphics and APIs utilizing HTML, CSS, JavaScript, and Python.

Germination Systems

Team Member – (TURTLE, A&M robotics & leadership club)

Houston, TX

Sep 2021 – Jan 2022

- Utilized Python to create an automated hydroponic plant system designed to grow a plant from seed using machine learning and algorithms.
- Designed sensors to monitor variables such as oxygen levels, nutrient levels, temperature, pH, etc.
- Collaborated with team members to assemble prototype; soldered wires and tested hardware.

NAE Project Solar Calculator

Project Lead – University of Houston

Houston, TX

Jan 2021 – Apr 2021

- Produced an application that calculated cost of setting up a solar farm and amount of time to offset cost given user's square footage of house and state using MATLAB and Excel.
- Led team of four; arranged team meetings, recorded progress of project, informed members of changes or complications, and delegated task to team members.
- Developed main script and multiple functions for project; functions took in user input, calculated time to offset cost of a solar farm, and utilized data structures from online resources.

Reconfigurable Modular Manipulator (RMM)

Intern – (TRAClubs)

Houston, TX

Sep 2019 – Dec 2019

- Updated a circuit schematic using CircuitMaker for a robotics arm component used by NASA.
- Adjusted schematic design to be compatible with new locking mechanism on joint of robotic arm and allowed for transfer of data and power.
- Self-taught fundamentals of circuits and used advice received by mentor to create a circuit schematic using Altium.