

CAMERON QUILICI

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Education

Texas A&M University

BS in Computer Science & BS in Applied Mathematics - 3.91 GPA - Distinguished Student Award

Sep. 2020 – present

College Station, TX

The Woodlands High School

4.0 UW GPA, 5.12 W GPA - Class Rank: 41/1101 Students

Sep. 2016 – May 2020

The Woodlands, TX

Relevant Coursework

- Discrete Mathematics
- Linear Algebra
- Multi-variable Calculus
- Data Structures and Algorithms
- Abstract Algebra
- Technical Business Writing
- Cryptography
- Differential Equations

Experience

Texas A&M University

Mathematics Grader

August 2022 - present

College Station, TX

- Worked 7-10 hours a week coming up with a solution set for an upper-level probability course.
- Graded students' work based on my solutions and managed their grades throughout the semester.

Hewlett Packard Enterprise / Cray Inc.

May 2022 – August 2022

Software Engineer Intern

Seattle, WA

- Worked collaboratively with a team of 8-10 senior software engineers to help develop the "Launcher" product that can train and run DeterminedAI machine learning models distributively on supercomputer clusters.
- Tested and updated existing software using PyTest and CircleCI. Became familiar with the CI/CD process while learning both CircleCI and Jenkins.
- Developed Bash scripts to allow developers to launch jobs remotely via REST calls under the privacy of their own user account.
- Developed a tool that allows users to create a personal authentication token that gives non-root developers access to query SLURM job information on a given cluster.
- Learned multiple developer skills such as Docker, Kubernetes, Maven, Unix/Linux, Bash, Go, SSL, SSH, RESTful API, and more.

Texas A&M University Academic Success Center

December 2021 – August 2022

Mathematics and Engineering Tutor

College Station, TX

- Used my knowledge of science and engineering to help various students in their respective disciplines.
- Broke down complex subjects such as multi variable calculus, linear algebra, and calculus-based physics into simpler, more easily digestible bits of information.
- Worked up to 15 hours a week while simultaneously engaging in a full-time course load and maintaining an executive position in social clubs.

HEB

August 2018 – March 2020

Cashier

The Woodlands, TX

- Acquired key cash-handling skills, executing hundreds of transactions per day at one of the most profitable HEB stores.
- Directly impacted revenue growth and customer retention through customer service while proactively exhibiting the company culture of service and loyalty.
- Collaborated with local management to deliver value and quality to new and existing customers.
- Worked 25 hours per week while maintaining a 5.0 GPA taking a rigorous course load.

Projects

AutonStudio | Python, Android Studio, Java

January 2020

- Developed an interface to plan and test robotic movements that were subsequently translated into physical movement. This could be used to train fellow students and participants for application in FIRST Robotic competitions.
- Implemented elements of Python and PyGui to create the UI.
- Java to translate the programmed actions to executable commands that could be carried about by the robot.

Technical Skills

Software: (Proficient) Python, Java, C++ (Intermediate) Bash, Go, HTML/CSS (Familiar) C#, Javascript

Developer Tools: Maven, Make, Android Studio, Agile Development Process

Technologies/Frameworks: Unix/Linux, Git, Docker, Kubernetes, Jenkins, CircleCI, PyTest

Leadership / Extracurricular

TWHS Robotics Team

Fall 2019 – May 2020

Head of Programming

The Woodlands High School

- Worked closely with peers to program both autonomous portions and manually controlled robotic movements using Java and Android Studio.
- Acted as a mentor to younger students in the organization, teaching them strategies and programming skills.
- Placed second in the North Houston regional league to then advance to the state competition. This event was unfortunately canceled due to the COVID-19 pandemic.
- Created a series of instructional videos in order to pass down information to future classes of students.

Sigma Chi Fraternity

Fall 2020 – present

Alumni Committee

Texas A&M University

- Developed an annual budget for the organization's Fraternity house and worked closely with House Managers to communicate and implement the budget.
- Participated in chapter Alumni Committee to create and distribute annual fundraising letters.
- Collaborated with 41 members to establish actionable goals promoting community service, academics, and unity.

Kaleo Discipleship Program

May 2021 – July 2021

Participant

Student Mobilization

- Participated in a rigorous eight-week work/study Christian leadership program. Focused on personal growth, humanitarian, and spiritual development.
- In conjunction with studies, was employed 35 hours a week as a food expeditor at Sharky's Beachfront Restaurant.
- Learned how to navigate my faith by reading the Bible, practicing fellowship, spreading the gospel, and providing spiritual and humanitarian aid to the areas of and surrounding Panama City Beach, Florida.