

EDUCATION

BACHELOR OF SCIENCE – COMPUTER SCIENCE (HONORS)

AUG 2018 – DEC 2021

Texas A&M University | College Station, TX

Minors: **Statistics**, Psychology

Major GPA: 3.80/4.0, Dean's Honor Roll (x2)

Relevant Courses: **Introduction to Computer Systems, Advanced Programming Languages**

HIGH SCHOOL DIPLOMA - HIGH HONOR GRADUATE

AUG 2014 - JUN 2018

Seven Lakes High School | Katy, TX

Organizations: Varsity Speech and Debate, FBLA, Honor Societies

EXPERIENCE

INCOMING SOFTWARE ENGINEERING INTERN

JUN 2020 – AUG 2020

Capital One | Virtual Internship

CAPITAL ONE HACKATHON | ANDROID STUDIO, JAVA, ETC

JAN 2020

Capital One | McLean, VA

- Developed a unique budgeting app to help college students **save money towards goals and analyze past spending history** to identify areas in which to lessen expenses; looking to incorporate machine learning to offer more intuitive analysis

GRAND RESEARCH CHALLENGE ASSISTANT – SPACECRAFT MACHINE LEARNING | PYTHON, C++

AUG 2019 – PRESENT

Texas A&M University | College Station, TX

- Implemented reinforcement learning algorithm** (Q Learning) to allow spacecraft to be able to navigate on its own in space
- Co-authored publication** for upcoming IEEE Conference about creating high fidelity models with generative machine learning algorithms with Python OpenCV

POPULARITEA: DATA STORAGE AND ANALYTICS | PYTHON, ACCESS, EXCEL, JAVASCRIPT

MAY 2019 – AUG 2019

Tapioca House | Katy, TX

- Voluntary effort to optimize delivery/storage schedule** (based on profitable timing by product and minimizing profit loss due to lack or spoilage of ingredients) by applying **data management software** to local teahouse's **customer/product popularity data**
- Designed **web application, endorsed by employees, to easily manage inventory** and increase efficiency of stock management processes

PROCEDURE: AGGIESINVENT – VIRTUAL REALITY APPLICATIONS | JAVASCRIPT, HTML, UNITY

DEC 2018

Texas A&M University | College Station, TX

- Developed an AR application with a business model for surgery candidates to be able to learn about medical procedures with 3D models using **Unity and applied self-taught HTML and React.js**, all within 48 hours, and improving the product to be able to sell for commercial use: incorporating **encryption and UI/UX features** for usability in the future.

WOMEN IN ENGINEERING (WE) – SOCIAL MEDIA TEAM LEAD, AMBASSADOR

SEP 2018 – JAN 2020

Texas A&M University | College Station, TX

- Spearheaded committee **promoting connectedness between prospective/current students** to facilitate spreading of information
- Assembled team to help **mentor and tutor women and other minorities** to pursue majority-lead STEM fields through workshops

CONFERENCES AND PROGRAMS

JPMORGAN CHASE SOPHOMORE EDGE – SOFTWARE ENGINEERING TRACK

MAR 2020 – APRIL 2020

CITI TECHNOLOGY EARLY ID PROGRAM

FEB 2020 – MAR 2020

CAPITAL ONE SOFTWARE ENGINEERING SUMMIT

JAN 2020

SKILLS AND AWARDS

TECHNICAL: Python, C++, Java, JavaScript, SQL, DBMS, IOS and Android, React.js, Flask, R, HTML, CSS, Assembly, MS Office

LANGUAGES: English, Hindi, Spanish

AWARDS: Dean's Honor Roll, National AP Scholar, National Merit Commended Scholar, 5th Place FBLA Nationals Winner

PUBLICATIONS: 2020 IEEE Aerospace Conference, TAMU Ingenium Engineering Blog

INTERESTS: AI, ML, Web and App Development, Hackathons