

EDUCATION

TEXAS A&M UNIVERSITY | B.S. COMPUTER SCIENCE (HONORS)

College Station, TX

AUG 2018 – DEC 2021

Minors: Statistics, Psychology

GPA: 3.76/4.0, Dean's Honor Roll (x3)

Relevant Courses: Principles of Data Science, Principles of Statistics II, Design and Analysis of Algorithms, Programming Studio

EXPERIENCE

CAPITAL ONE | SOFTWARE ENGINEERING INTERN

Richmond, VA

JUN 2020 – AUG 2020

- Led intern team in designing a new feature by making design decisions, pitching ideas to manager for approval, assigning stories to self and teammates, and leveraging **AWS (S3 and Lambda)** to create a full-stack web application that validates multiple client records uploaded as CSV files
- Reduced time needed to modify client and bank information from 3 days to 1 minute by creating a user interface using **Angular and GraphQL**, and designing back-end API to interact with **PostgreSQL** database

CAPITAL ONE | SOFTWARE ENGINEERING SUMMIT AND HACKATHON

McLean, VA

JAN 2020

- Produced a budgeting app to help college students save money towards specific goals by utilizing a clean dashboard, built with **Android Studio and Java**, that presents a calculated amount of money to save and a list identifying exact spending behaviors to reduce based on a "necessity rank," weekly

OTHER PROGRAMS: AT&T Summer Learning Academy, JPMorgan Chase Sophomore Edge Program – Software Engineering Track, Citi Technology Early ID Program

LEADERSHIP AND PROJECTS

SHAKESPEARE-ESQUE PLAYWRIGHT | REINFORCEMENT NEURAL NETWORK

JUN 2020

- Created an RNN that uses **Google APIs** to read Shakespeare plays and generates a model to predict the rest of the play, given a starting word; built using **TensorFlow, Keras and NumPy**

GRAND CHALLENGES RESEARCH – SPACECRAFT | MACHINE LEARNING RESEARCH ASSISTANT

College Station, TX

AUG 2019 – MAY 2020

- Implemented Deep Q Learning RNN to enable spacecraft to navigate on its own in space, using TensorFlow, Keras and **Pandas** libraries, as part of the Grand Challenges Research Area: Space Exploration
- Co-authored publication focused on improving generation of high fidelity, low altitude imaging simulations with the **OpenCV** library

TAMU WOMEN IN ENGINEERING | SOCIAL MEDIA TEAM LEAD, AMBASSADOR

College Station, TX

SEP 2018 – FEB 2020

- Spearheaded committee promoting connectedness between prospective and 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

POPULARTEA | DATA STORAGE AND ANALYTICS

Houston, TX

MAY 2019 – AUG 2019

- Optimized supply delivery and storage schedule by applying data management software to local teahouse's product popularity data
- Pitched web application (endorsed by employees) to easily manage inventory, make business operations more efficient, and increase profits, using **Flask** and MS Access

SKILLS AND ACCOMPLISHMENTS

TECHNICAL: **(Proficient)** Python, C++, Java, SQL, HTML, CSS, **(Familiar)** AWS, TensorFlow, JavaScript (React.js, Node.js), GraphQL

LANGUAGES: English, Hindi, Spanish

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

PUBLICATIONS: IEEE 2020 Aerospace Conference, TAMU Ingenium Engineering Blog

INTERESTS: AI (ML and NLP), Web/App Development, Hackathons