Jack Sebastian

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WORK

05/2022 – 08/2022

AMAZON **Austin, TX**

Software Development Engineer Intern

- Developed self-service system to onboard and configure new devices in D2AS customer service system.
- Worked in Agile/Scrum development environment to deliver high-quality software.
- Designed, built, and deployed innovative software solutions to increase efficiency in devices and customer service teams.
- Collaborated with team of software development engineers, QA engineers, and product managers throughout internship.
- Utilized React, Node JS, Java, AWS Elastic Container Service.

LEADERSHIP EXPERIENCE

03/2021 – 10/2022

TAMU DATATHON **College Station, TX**

Vice President

- Lead a team of 21 students who organize and host an annual hackathon.
- Data science and machine learning-driven competition that reaches over 700+ people.
- Developed innovative web applications to increase engagement and insights from participants.

06/2021 – 05/2022

GOOGLE DEVELOPER STUDENT CLUB **College Station, TX**

President

- Lead for Google's student-led organization that aims to promote and educate about Google technologies to local community.
- Hosted weekly events to 100+ club members and helped build web application to NGOs and non-profits in the Bryan/College Station area.

EDUCATION

08/2019 – 05/2023

TEXAS A&M UNIVERSITY

B.S. Computer Science and Applied Mathematics

GPA: 3.73

University Honors / Engineering Honors / Mathematics Honors

Research Thesis: Detection and prediction of illicit transactions on the Bitcoin blockchain using machine learning

SKILLS

- Full-stack software development skills and agile work environment.
- Object-oriented programming and algorithms.
- Proficiency in C++, Python, Java, JavaScript, HTML, CSS.
- Mathematical and analysis skills, particularly in advanced linear algebra, calculus, and derivatives.
- *Financial mathematics in mean-variance portfolio analysis, capital asset pricing models, Markov chains in credit risk modeling (in progress).