

Caitlin Tibbetts

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EDUCATION

University of Texas at Dallas – Richardson, TX

M.S., Computer Science with a concentration in Intelligent Systems
Fast Track program

Aug 2021 – May 2022

B.S., Computer Science
Collegium V Honors Program

Aug 2018 – May 2021

GPA: 3.693

TECHNICAL SKILLS: AWS cloud computing, Cryptography, Python, Git, Agile development, Linux, Java, Android mobile development, React and React Native (including Typescript)

PROFESSIONAL EXPERIENCE

Amazon – AWS Cryptography Tools – Seattle, WA

Software Development Engineer (SDE) I Intern

May – Aug 2020

- Worked with the Cryptographic 3rd Party Libraries team on operations improvements
- Reinforced skills in cryptography, cybersecurity, and Python
- Learned about the logistics of working remotely in a professional team

Amazon Future Engineers Intern

May – Aug 2019

- Worked with the full-time SDEs to build, maintain, and document the AWS Encryption SDK
- Delved into a study of cryptographic primitives

PROJECTS

Deep Package Search – Amazon

May – Aug 2020

Python Click Command Line Interface (CLI)

- Developed a service to allow the Cryptographic 3rd Party Libraries team to track which environments start and stop consuming their packages over time, which streamlined campaigns to move consumers off of deprecated packages

Crowdsourced Playlist

Apr – Jun 2020

React Native application

- Built an application that allows many party-goers to attach to one central playlist and inform the music choices using Firebase, Spotify API, and React Native

Crypto Dragon – Amazon

May – Aug 2019

Python-built API

- Created a true random number generator based on the entropy of physical processes, such as fluid dynamics and avalanche noise, using Raspberry Pi and Python

EXTRACURRICULAR EXPERIENCE

Society of Women Engineers – Richardson, TX

Competitions Chair

Apr 2020 – Present

- Spearheading a program to bring more all-female teams to collegiate engineering competitions

Alpha Gamma Delta - Epsilon Psi Chapter – Richardson, TX

Vice President of Academic Excellence

Dec 2019 – Present

- Streamlined Chapter operations by moving to Slack
- Working with sisters one-on-one to improve their grades and advise their degree plans

Director of Academic Enrichment

Dec 2018 – Dec 2019

- Planned engaging events where sisters can study together
- Implemented creative ways to recognize sisters for good academic habits

Association of Computing Machinery – Richardson, TX

HackUTD Marketing Lead

Jan 2020 – Present

- Simplified social media posting by using a content manager, which drove up engagement on all platforms

HackUTD Marketing Coordinator

May 2019 – Dec 2019

- In charge of social media and implementing the theme of HackUTD VI: Outer Space

ACM Projects Project Manager

Dec 2018 – Dec 2019

- Led a team of beginner programmers in a software project
- Mentored the team in Agile, Git, and the most efficient ways to find the answers to their own questions

LANGUAGES: Proficient in French