

# 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: 3.732**

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

**LANGUAGES:** Proficient in French

## PROFESSIONAL EXPERIENCE

### Amazon – AWS Cryptography Tools – Seattle, WA

Software Development Engineer (SDE) I Intern

May – Aug 2020

- Worked with the Cryptographic 3<sup>rd</sup> 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

### Hybrid Classifier Leveraging AI & Traditional Algorithms

Aug – Dec 2020

Azure Machine Learning Designer Model

- Created a natural language processing pipeline for IDEXX to classify invoices
- Tested multiple different word embeddings and algorithms to get the best accuracy and F1 scores

### Deep Package Search – Amazon

May – Aug 2020

Python Click Command Line Interface (CLI)

- Developed a service to allow the Cryptographic 3<sup>rd</sup> 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

Director of SWE Match

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 – Dec 2020

- 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

May 2019 – Dec 2020

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