

# Caitlin Tibbetts

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## EDUCATION

### University of Texas at Dallas – Richardson, TX

B.S., Computer Science

*Member of the Collegium V Honors Program*

*Recipient of the Academic Excellence Scholarship*

Aug 2018 - May 2021

**GPA: 3.592**

**RELEVANT COURSES:** C/C++ Programming in a Unix Environment, Data Structures and Algorithms

**TECHNICAL SKILLS:** Cryptography, AWS cloud computing, Linux, and Android mobile development, C++, HTML, CSS, Javascript

## PROFESSIONAL EXPERIENCE

### Amazon – Seattle, WA

Amazon Future Engineers Intern - Cryptography Tools

May - Aug 2019

- Worked with the full-time SDEs to build, maintain, and document the AWS Encryption SDK
- Built a true random number generator based on the entropy of a lava lamp
- Mentored by the Python developer on the team, which taught me a lot about Python
- Learned about the inner workings of a professional office environment, including Agile software processes

## PROJECTS

### Seattle Nativity School SMS Announcement System

July 2019

Alexa Skill

- Built Alexa skill for teachers to send SMS to a parent through his/her Alexa
- Received People's Choice Award – Amazon Future Engineers Hackathon

### Crypto Dragon

May - Aug 2019

Python-built API

- Collaborated with team of Amazon interns to build a true random number generator based on the entropy of physical processes, such as fluid dynamics and avalanche noise, using Raspberry Pi and Python

### Perfect Playlist – ACM Projects

Aug - Nov 2018

Android application

- Built an application that uses natural language processing to build a music playlist for the user full of novel songs tailored to their situation and apparent mood
- Utilized Android for app and Houndify API for Natural Language Processing

## EXTRACURRICULAR EXPERIENCE

### Society of Women Engineers – UTD Chapter – Richardson, TX

Competitions Chair

April 2020 - Present

### Alpha Gamma Delta - Epsilon Psi Chapter – Richardson, TX

Vice President of Academic Excellence

Dec 2019 - Present

Director of Academic Enrichment

Dec 2018 - Dec 2019

*Marguerite Shepard Awards for Academic Excellence*

Nov 2018, April 2019, Nov 2019

### Association of Computing Machinery – Richardson, TX

HackUTD Marketing Lead

Jan 2020 - Present

HackUTD Marketing Coordinator

May 2019 - Dec 2019

ACM Projects Project Manager

Dec 2018 - Dec 2019

## SKILLS

Proficient in French