

# Caitlin Tibbetts

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## 1 Work Experience

### Software Development Engineer (SDE) Intern - Cryptography Tools

May-August 2019

Amazon Future Engineers, Amazon, Seattle, WA

- 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.

## 2 Extracurricular Experience

### HackUTD Marketing Coordinator

May 2019 - Present

Association of Computing Machinery, University of Texas at Dallas, Richardson, TX

- Create and curate content for all marketing platforms, digital and physical
- Update all social media at least three times a week

### ACM Projects Officer

December 2018-Present

Association of Computing Machinery, University of Texas at Dallas, Richardson, TX

- Lead a team of beginner programmers in building a software project over a semester.

### Director of Academic Enrichment

December 2018-Present

Alpha Gamma Delta - Epsilon Psi Chapter, University of Texas at Dallas, Richardson, TX

- Curate scholarships and other academic opportunities for members of the chapter.
- Plan and run weekly study events for the members of the chapter.

### Lead Web Designer

February 2017-August 2018

East Austin Digital Connection, Austin, TX

- Consulted with EADC executives to help build easily navigable, manageable, as well as aesthetically-pleasing websites for East Austin businesses such as Sam's Bar-B-Que and Big Easy Bar & Grill on Wordpress with heavy customization.
- Developed the EADC Digital Bridge, which gives businesses and volunteers a safe and efficient place to connect. Made with Wordpress.

### Social Media & Website Coordinator

July 2016-July 2018

TEDxYouth@Austin, Austin, TX

- Kept all TEDxYouth@Austin internet presence up to date and engaging throughout the year in order to bring attendees to the event in February.
- Made technical changes to the TEDxYouth@Austin website as needed and at the request of other team members.

## 3 Projects

### Crypto Dragon

May-August 2019

Python-built API

- With a team of other interns at Amazon, we are building a true random number generator based on the entropy of physical processes, such as fluid dynamics and avalanche noise.
- Raspberry Pi and Python

### Perfect Playlist - ACM Projects

August-November 2018

Android application

- With a team of undergraduates through the ACM Projects program, we 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.
- Used Android for the app and Houndify API for Natural Language Processing

### Crealchemy

August 2015-May 2016

Android application

- Similar to the popular game Alchemy, Crealchemy allows the user to create their own elements to play with, opening up the possibilities of the game.

## 4 Education

**University of Texas at Dallas - Computer Science**  
Richardson, TX

**August 2018-Present**

- Member of the Collegium V Honors Program
- Recipient of the Academic Excellence Scholarship
- Current GPA: 3.546

**Liberal Arts and Science Academy**  
Austin, TX

**August 2014-May 2018**

- Distinguished Level of Achievement with Magnet Endorsement
- Advanced Placement: AP Computer Science (10th grade with a 5), AP Psychology (12th grade with a 5)

## 5 Skills

Proficient in French

Experience in cryptography, AWS cloud computing, and Android mobile development

### 5.1 Programming languages

- Fluent: Java, Python
- Proficient: C++, HTML, CSS
- Currently learning Javascript