

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

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 Coordinator

May 2019 - Present

ACM Projects Project Manager

Dec 2018 - Dec 2019

SKILLS

Proficient in French