

## EMPLOYMENT

---

### Brigham Young University Computer Science Department

Teaching Assistant - CS 498R Competitive Programming · Mar 2016 to Apr 2016

Coordinate with the professor to develop lecture slides and lesson plans

Administer and grade weekly problem sets

Conduct weekly in-class contests via HackerRank

Cater to any student needs and questions

### Ancestry.com

Software Engineer, Intern · Jun 2016 to Current

Work with large databases

Help to move storage of over 8 billion images to the AWS cloud

Test code for quality and performance

## EDUCATION

---

### Brigham Young University

Bachelor of Science in Computer Science 2018

## PROJECTS

---

### SmartBeats

Worked with a team to create a pair of "smart" headphones that pause music/video when taken off. Integrated them with Amazon Alexa and AmazonSQS to listen for the user's name and vibrate the headphones to alert the user when their name is spoken.

### MediaKey Extension

Created a chrome extension that adds functionality to laptop media keys within the chrome browser. The extension allows users to press play/pause on the keyboard and play/pause a variety of websites (Netflix, Pandora, Prime Video, etc.).

### UkeMaster

Worked with a team to create a device with a laser array that clips on to the end of a ukulele and shows the user what chords to play for a song. The device communicates with an iOS app to allow users to display chords and chord progression directly onto the fret board.

### Personal Website

www.allisonwalke.com

## SKILLS

---

Java, C#, C/C++, HTML/CSS, Javascript, SQL

## AWARDS

---

### First Place Winner at HackCU

My team and I won first place at HackCU, a hackathon at University of Colorado - Boulder, for our SmartBeats project.

### Devpost Staff Pick

My team and I were featured on the website Devpost for our project UkeMaster. We were featured on the website and in the weekly newsletter.

## NOTABLE

---

Association for Computing Machinery · Technical Officer

Women in Computer Science · Member

BYU Developers Club · Member

## RELEVANT COURSEWORK

---

Data Structures and Algorithms

Discrete Structures

Advanced Programming Concepts

Elementary Linear Algebra

Calculus 1

Calculus 2