

EDUCATION

Brigham Young University
B.S Computer Science
December 2018

EMPLOYMENT

Adobe, *Premiere Pro Intern*
San Jose, CA
May 2018 - Aug. 2018

- Researched and built a prototype for auto cropping video
- Used Python and Tensorflow to implement a machine learning saliency model for predicting fixations in the video
- Allowed user input to determine aspect ratio and tracked salient subjects to keep the most interesting subject within the cropped frame
- Successfully integrated prototype into Premiere Pro codebase

Ancestry.com, *Software Engineering Intern*
Lehi, UT
May 2016 - April 2018

- Built a RESTful microservice using Java Spring to control access to SQLServer databases
- Created a test suite to assist in moving team services to AWS
- Refactored internal website frontend to increase clarity and usability
- Guided fellow intern through team code base and architecture

SKILLS

Java, C#, Python, HTML/CSS, Javascript, Android Studio, Git, Linux, C/C++, SQL

PROJECTS

SmartBeats

- First place project at HackCU
- Created a pair of "smart" headphones that pause music/video when taken off
- Used Amazon Alexa and AmazonSQS to listen for the user's name and alert the user when their name is spoken
- Implemented using Java and Javascript

MediaKey Extension

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

Safety Net

- An Android app for outdoor enthusiasts that makes it easy to alert their emergency contacts if their plans go awry
- Allows the user to input a location and expected time back, and alerts the provided emergency contacts if they are not back by the expected time
- Used Firebase and AWS to alert emergency contacts regardless of whether the user currently has cell service
- Implemented using Java and Python

Personal Website

www.allisonwalke.com

AWARDS

Second Place - *The YHack*

March 2018

Awarded Second Place at The YHack, a Major League Hacking sponsored hackathon held at Brigham Young University

Innovation Award - *Ancestry*

July 2017

- Awarded for innovation in moving services to AWS

First Place - *HackCU*

April 2016

- First place at HackCU, a Major League Hacking sponsored hackathon at University of Colorado - Boulder

NOTABLE

Association for Computing Machinery, *Technical Officer*

Women in Computer Science, *Member*

BYU Developers Club, *Member*