

# ALLISON WALKE

# SOFTWARE ENGINEER

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## 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 prototype for intelligent cropping of video using Python and Tensorflow
- Used a machine learning saliency model to predict regions of interest within video
- Integrated prototype into existing codebase using C++ and Tensorflow

**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*

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

March 2018

### Innovation Award - *Ancestry*

- Awarded for innovation in moving services to AWS

July 2017

### First Place - *HackCU*

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

April 2016

## NOTABLE

Association for Computing Machinery, *Technical Officer*

Women in Computer Science, *Member*

BYU Developers Club, *Member*