

ALLISON WALKE

SOFTWARE ENGINEER

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EDUCATION

Brigham Young University
B.S Computer Science
December 2018

EMPLOYMENT

- Ancestry.com, *Software Engineer, Intern***, Lehi, UT May 2016 - Current
- 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
- BYU Computer Science Department, *Teaching Assistant - Competitive Programming***, Provo, UT Mar 2016 - Apr 2016
- Coordinated with the professor to develop lecture slides and lesson plans
 - Administered and graded weekly problem sets
 - Conducted weekly in-class contests via HackerRank
 - Catered to any student needs and questions

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.)
- Built with 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
- Used Java and Python

Personal Website

www.allisonwalke.com

AWARDS

- Innovation Award - *Ancestry*** Jul 2017
- Along with my team, won the Ancestry Innovation Award at the annual company-wide conference
 - Awarded because of my team's speed and efficiency in moving our services into AWS
- Staff Pick - *Devpost*** Sep 2016
- With a team, featured on the website Devpost for our project UkeMaster
 - Featured on the website and in the weekly newsletter
- First Place - *HackCU*** Apr 2016
- With a team, won first place at HackCU, a hackathon at University of Colorado - Boulder, for our SmartBeats project

NOTABLE

Association for Computing Machinery, *Technical Officer*

Women in Computer Science, *Member*

BYU Developers Club, *Member*