

# Allison Walke

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## **Education**

Brigham Young University – Provo  
Bachelor of Science in Computer Science

April 2018  
3.44 GPA

## **Work Experience**

Teaching Assistant – CS 498R: Competitive Programming  
Brigham Young University Computer Science

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

## **Skills/Interests**

Computer Programming

- Proficient in Java, C/C++, and HTML/CSS
- SQL and SQLite
- Interested in iOS/OSX development, Android development and network & server security

## **Projects**

- Developed an application version of the classic game “Super Asteroids” for Android
- Developed a spell check algorithm capable of detecting spelling errors up to an edit distance of two
- Developed a hangman algorithm which minimized the chances of a player beating the computer
- Personal Website

## **Relevant Coursework**

- Data Structures and Algorithms
- Discrete Structures
- Advanced Programming Concepts
- Elementary Linear Algebra
- Calculus 1
- Calculus 2

## **Notable**

- Member of Women in Computer Science
- Technical Officer in BYU’s Association for Computing Machinery
- Strong work ethic
- Enthusiasm for learning