

# Maxwell Talley

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Current Address: 304 Hilltop Road, Ames, IA 50014

## Education:

**Iowa State University, Ames, IA, USA**

Bachelor of Science in Software Engineering

**Expected December 2019**

GPA: 3.04

**University of Canterbury, Christchurch, NZ**

Study Abroad Program

**Jan 2018 - June 2018**

## Work Experience:

**Software Engineering 185, Teaching Assistant**

**August 2016 - December 2018**

Iowa State University

- Problem solve using knowledge of C to answer questions and guarantee understanding of course work.
- Thoroughly and accurately relay instructions to students to ensure labs are done correctly.

**Source Allies Inc., Urbandale, Iowa**

**Software Engineering Intern**

**July 2018 - Aug 2018**

- Designed and implemented a mobile application using React Native to vastly reduce cost and improve functionality of client's asset tracking system.

**Software Engineering Intern**

**May 2017 - Aug 2017**

- Generated revenue from a mobile-first customer base by redesigning the Adventureland Amusement Park website through collaboration with clients and teammates.
- Enhanced user experience while prioritizing speed and maintainability of codebase through use of technologies such as Amazon Web Services and Laravel.

## Leadership:

**Institute of Electrical and Electronics Engineers, Web Chair**

**September 2017 - December 2018**

Redesign and update the Iowa State branch of IEEE's website to improve user experience and ensure smooth communication between the club and its members.

**Delta Chi Fraternity**

**Public Relations Chair and Webmaster**

**August 2016 - May 2017**

**New Member Councilor**

**January 2016 - December 2016**

## Projects:

**dungeon-crawler**

<https://goo.gl/xeH5da>

Built a NetHack-like, terminal-based dungeon crawler game over the course of a semester using advanced C programming techniques.

**IEEE@IowaState Website**

<https://goo.gl/rW4wBA>

Created a new website for the Iowa State branch of IEEE using React and Bulma to promote activities and improve club image.

**helicopter-controller**

<https://goo.gl/bfTX3w>

Program written in C that was created to be used with a Tiva C microcontroller to operate an RC helicopter.

## Technologies:

JavaScript, C, Java, C++, SQL, PHP, Android, React Native, Docker, React, Amazon Web Services, Laravel