

# Matthew Brady O'Leary

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**Permanent Address:**  
Aiken, SC

## Education

**University of South Carolina: Columbia, SC**

Bachelor of Science in Computer Science; May 2019

*Overall GPA: 3.531. cum laude. leadership distinction. Dean's List: Fall 2015, Spring 2018, Fall 2018, President's List: Spring 2019*

## Skills

### Programming Languages:

- Java, C++, HTML5, CSS3, Python, C#, Bash, JavaScript, MySQL
- Advanced Linux and Windows Experience

- Git Version Control
- Linux System Administration
- Wrote Videogames in Java, and Unity Game Engine (C#)

## Professional Experience

**Full Stack Web App Developer** (May 2019 – Present): Krumware

- Implemented new apps in a first-party web framework based on in-house designs
- Created RESTful APIs for apps in the framework
- Worked with Polymer, React, HTML, CSS, JS, NodeJS

**Software Engineering Intern** (January 2019 – May 2019): Krumware

- Wrote code for Polymer Web Applications in HTML, CSS, Javascript, and MySQL
- Wrote Pull Requests, and fixed issues listed on applications using Git Branches

**Software Engineering Intern at the MOX Project** (May – August 2017, 2018): Savannah River Site – Aiken, South Carolina

- Wrote code for a SCADA GUI, which helps visualize and control mechanical manufacturing processes
- Assisted in Porting Panels from FactoryLink to WinCC using a custom conversion application
- Wrote a few demonstration programs using WinCC's CONTROL Language
- Improved on a Testing Application, and made it more efficient

**Vice President/Webmaster of ACM Student Organization** (January 2016 - Present): USC

- Forked a Static Site Generator written in Bash, and added in an index generator written in Python
- Added organization to the Electronic Frontier Alliance
- Was selected from a diverse group of computing students to compete in ICPC Division 1, a Programming Competition with difficult questions
- National Member of the ACM
- Gave Talks on making a modern static website without Javascript
- Wrote a few problems for the Lower Division Code-a-thon

**3<sup>rd</sup> Place at a Hack-a-thon** (Spring 2018): ColaHacks

- Worked with a group to create a visualizer of Student Grade Distributions at USC in 12 hours
- Used Python for Backend, HTML/CSS for Web Frontend
- Translated Course Listing and Semester into an easy to read chart of all Letter Grades received that semester.

## Hobbies / Extra Activities

**Carolina Band** (Clarinet) (August 2015 – December 2018): USC

- Four-Year Member Award
- Compose Music for videogames
- Restore, Repair, and Experiment with old computers and other electronic hardware
- Generate sounds and music using algorithms