

# Clay McGinnis

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**Objective:** To leverage my experience in Computer Science at Missouri S&T in an internship or Co-op in the summer of 2019

## Education:

Missouri University of Science and Technology (Missouri S&T)  
**B.S. Computer Science**

**May 2020**  
3.5 Cumulative GPA

**Courses:** Operating Systems, Algorithms, Data Structures, Linear Algebra, Statistics with R

## Experience:

**CEADS-LIN: Artificial Intelligence and Cybersecurity Research**  
*Research Assistant*

Rolla, MO  
Feb 2018 - Present

- Developed task producer and consumer using AMQP and Python to distribute evolution experiments across a containerized network
- Built visualization applications using Javascript for real-time network traffic graphing and evolutionary algorithm analysis
- Contributed to platform presented in academic research publications published at cybersecurity conferences

**Missouri S&T - ACM**  
*Vice President*

Rolla, MO  
April 2018 - Present

- Managed committee leads organization efforts, funding efforts, and timelines for events with over 120 attendees

**Missouri S&T - ACM SIGWEB**  
*Vice Chair*

Rolla, MO  
Dec 2016 - Present

- Implemented the user interface of the MST-ACM website in React.js for tracking and organizing events for an organization with over 200 members
- Developed database facing API in Python to store and manage users and payments using test-driven development practices
- Taught students skills in Python and HTML/CSS which resulted in a large boost in productivity in the repository

## Projects:

*All projects listed below are on my GitHub*

**ShamHacks 2018 - VeteranIn:** (Received 2nd Place out of 50 teams)  
*Business focused network for Military Veterans to find jobs or employees*

Feb 2018

- Wrote API for storing Veterans and Veteran-owned companies in Python
- Used Leaflet.js to map nearby Veteran businesses

**Personal Project - Swoly:**

Jan 2018

*Fitness app to log and compute ideal workouts based on personal bests*

- Developed for Android in Java and SQLite

**TrumanHacks 2018 - DebateMingle:**

Feb 2018

*Anonymous chat app for debating trivial (non-political) topics*

- Developed efficient netcode using WebSockets in Python and Javascript

**ACM Website:** (<https://acm.mst.edu>)

Present

*Website for listing MST-ACM events, storing membership info, and processing payments*

## Technical Skills:

*Listed in order of strength*

<b>Languages:</b>	Python	C++	Golang	JavaScript	HTML/CSS	Bash	R
<b>Tools:</b>	Git	Unix	AWS	Unit Testing	LaTeX		

## Honors and Activities:

Dean's List  
*Commendation for high marks during the semester*

Fall 2017, Spring 2018

Megaminer AI  
*2nd place among 30+ other teams - Programmed a game AI in Python*

Dec 2017

Local Hack Day  
*2nd place - Developed a multi-threaded Golang chat server which also implemented multiplayer pong*

Dec 2017