

# Lucas Winkelman

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<https://firecannons.github.io>

## School Address

210C University Commons  
850 University Dr.  
Rolla, MO 65401  
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## Home Address

12543 Country View Dr.  
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Objective To obtain a career in Computer Science

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

May 2020  
**GPA: 3.57/4.0**

### Courses:

|                   |                            |                                      |
|-------------------|----------------------------|--------------------------------------|
| Data Structures   | Discrete Math              | Algorithms                           |
| Numerical Methods | Theory of Computer Science | File Structures and Database Systems |

Experience State of Missouri – Information Technology Services Division

Jefferson City, MO  
Dec 2017 – Jan 2018

### **UInteract Team - Winter Internship**

- Worked on Data Change Requests (DCRs) in the UInteract system
- Utilized SQL and updated data on a large database
- Completed training to gain more experience with Java and SQL
- Collaborated with a team to meet agendas and reach goals

### Multi-rotor Robot Design Team

Rolla, MO  
Oct 2016 - present

### **Software Division – Simulation Division**

- Made 2-D Javascript simulation of the International Aerial Robotics Competition (IARC)
- Wrote many programs using neuro-evolution to find best algorithm of drone flight in the IARC, including using the NEAT method
- Operated the robotics simulator Gazebo to simulate the IARC in 3D for testing

### SIG-Game

Rolla, MO  
Aug 2016 – Dec 2016

### **Game Team**

- Wrote an program to test the game to ensure proper operation
- Gained skills with Git by using to Github to store program
- Competed MegaMinerAI every semester since

### Missouri S&T – ShamHacks

Rolla, MO  
Feb 2018

### **Participant**

- Created a website that allowed users to upload videos and transcribe them to text
- Wrote a HTML and CSS frontend and PHP with database backend
- Worked with a team to integrate the website and transcription program

|                 |                     |              |          |                   |                     |                |     |
|-----------------|---------------------|--------------|----------|-------------------|---------------------|----------------|-----|
| Computer Skills | MS Office<br>Python | HTML<br>Java | CSS<br>C | JavaScript<br>C++ | SQL<br>Code::Blocks | Git<br>Eclipse | PHP |
|-----------------|---------------------|--------------|----------|-------------------|---------------------|----------------|-----|

Honors & Activities Association of Computing Machinery SIG-Security  
Association of Computing Machinery SIG.com  
Christian Campus Fellowship