

# Lucas Winkelman

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<https://firecannons.github.io>

## School Address

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Rolla, MO 65401  
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## Home Address

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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: 3.6/4.0**

### Courses:

Data Structures	Discrete Math	Algorithms
Numerical Methods	Theory of Computer Science	File Structures and Database Systems
Intro to Computer Security	Intro to Operating Systems	Programming Languages and Translators
Software Engineering I		

Experience State of Missouri – Information Technology Services Division  
**UInteract Tax Team - Summer Internship**

Jefferson City, MO  
May 2017 - Aug 2018

- Worked on Data Change Requests (DCRs) in the UInteract database
- Changed Java and XML to fix website bugs
- Gained knowledge of the Struts web framework
- Completed training challenges to gain more experience with Java and SQL
- Collaborated with a team to meet agendas

Multi-rotor Robot Design Team

Rolla, MO

### **Software Division - Simulation Division**

Oct 2016 - Aug 2018

- Innovated to create 2-D Javascript simulation of the International Aerial Robotics Competition (IARC)
- Wrote programs using neuro-evolution to find best algorithm of drone flight in the IARC, including using the NEAT method
- Simulated drone flight in 3-D using the Gazebo robotics simulator

Missouri S&T – ShamHacks

Rolla, MO

### **Competitor**

Feb 2018

- 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 Python	HTML Java	CSS C	JavaScript C++	SQL Code::Blocks	Git Eclipse	PHP Django
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Honors & Activities FIRST Robotics  
Association of Computing Machinery SIG-Security  
Association of Computing Machinery SIG.com  
Christian Campus Fellowship