

# Lucas Winkelman

<http://www.linkedin.com/in/lucas-winkelman>

<https://firecannons.github.io>

## Home Address

12543 Country View Dr.  
Tebbetts, MO 65080  
(573)-544-1079  
lawf48@mst.edu

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Objective To obtain a career in Computer Science

Education Missouri University of Science and Technology (Missouri S&T) May 2020  
**B.S. Computer Science** **GPA: 3.63/4.0**

### Courses:

Data Structures	Discrete Math	Algorithms
Numerical Methods	Theory of Computer Science	File Structures and Database Systems
Software Engineering I	Intro to Operating Systems	Programming Languages and Translators
Object-Oriented Numerical Modeling 1		

Experience State of Missouri – Information Technology Services Division Jefferson City, MO  
**UInteract Tax Team - Summer Internship** 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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Previous Honors & Activities FIRST Robotics  
Association of Computing Machinery SIG-Game  
Association of Computing Machinery SIG-Competition  
Association of Computing Machinery SIG-Security  
Association of Computing Machinery SIG-Web  
Christian Campus Fellowship