

# Lucas Winkelman

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<https://firecannons.github.io>

## 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: 3.67/4.0**

### 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
Java Gui & Visualization	Structure of a Compiler	Senior Design
Databases 2	Numerical Modeling 1	Data Mining
Real-Time Systems	Intellectual Property for CS	

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

Jefferson City, MO  
May 2019 - Aug 2019

- Developed methods to drastically decrease website deploy time
- Consolidated email groups to new shared email boxes to save space
- Worked on Data Change Requests (DCRs) in the UInteract database
- Changed Java and XML to fix website bugs
- Collaborated with team to meet agendas

Missouri S&T - Multi-rotor Robot Design Team  
**Software Division - Simulation Division**

Rolla, MO  
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  
**Competitor**

Rolla, MO  
Feb 2018

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

Computer Skills	MS Office Python	HTML Java	CSS C	JavaScript C++	SQL Django	PHP Git
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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