

# 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) May 2020  
**B.S. Computer Science** **GPA: 3.62/4.0**

### 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	

Experience State of Missouri – Information Technology Services Division Jefferson City, MO  
**UInteract Tax Team - Summer Internship** 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 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	HTML	CSS	JavaScript	SQL	PHP
	Python	Java	C	C++	Django	Git

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