**Lucas Winkelman**

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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: 3.67/4.0**

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 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 team to meet agendas

Missouri S&T - 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 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 MS Office HTML/CSS React MERN Web Stack Django Git

Skills Python Java C C++ SQL PHP

Previous FIRST Robotics

Honors & Association of Computing Machinery SIG-Game

Activities Association of Computing Machinery SIG-Competition

Association of Computing Machinery SIG-Security

Association of Computing Machinery SIG-Web