**Lucas Winkelman**

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Objective To obtain an internship that leverages my skill in Computer Science

Education Missouri University of Science and Technology (Missouri S&T) May 2020

**B.S. Computer Science**  **GPA: 3.4/4.0**

Courses:

Data Structures Discrete Math Algorithms

Intro to Numerical Methods Theory of Computer Science

Experience Multi-rotor Robot Design Team Rolla, MO

**Software Division – Simulation Division** Oct 2016 - present

* Made 2-D Javascript simulation of the International Aerial Robotics Competition (IARC)
* Wrote many programs using neuro-evolution to find best algorithm of drone flight in the IARC, including using the NEAT method
* Will continue using other machine learning techniques to determine best drone flight
* Currently using the robotics simulator Gazebo to simulate the IARC in 3D for testing

SIG-Game Rolla, MO

**Game Team** Aug 2016 – Dec 2016

* Wrote an AI to test the game
* Gained skills with Git
* The following semester teamed up and competed in MegaMiner

Computer Code::Blocks C and C++ MS Office

Skills HTML & Javascript Python

Honors & ACM SIG-Competition

Activities ACM SIG-Security

Christian Campus Fellowship

High School Technology Class