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 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