

Ryan Leigh

480-765-7288 • rleigh2@asu.edu • linkedin.com/in/ryan-leigh2022/ • www.github.com/IWumbo203

SUMMARY

Computer Science Sophomore with internship experience in data science and further experience in front-end development, and object-oriented programming seeking internship opportunities in summer 2023.

EDUCATION

B.S. Computer Science (Cybersecurity)

Expected May 2025

Arizona State University, Tempe, AZ

4.00 GPA

Barrett, The Honors College

Grand Challenges Scholar

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python

Front-End: HTML, CSS

Tools, Databases, and OS: GitHub, Windows, Linux/Unix, ArcGIS

Certifications/Badges/Courses: IBM Skillsbuild Core Skills, Salesforce Business Administration Specialist Superbadge, MATLAB Fundamentals, AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

U.S. Geological Survey (USGS): Applied Science Research Intern

Fall 2022 - Present

- Selected amongst a cohort of 65 interns to support administration of the AmeriGEO ArcGIS Online environment, a regional capacity development resource that supports 35 countries in the Inter-American community.
- My duties currently include utilizing Esri's ArcGIS software and Python to extract deeper insight from data with a comprehensive set of analytical methods and spatial algorithms, including machine learning and deep learning techniques.

RELEVANT PROJECTS

Accelerometer Filtering, *ASU Motorsports - Formula SAE*

Fall 2022

- Developed a program in Python to filter accelerometer data captured via CSV from Formula SAE racing cars.
- Utilized G-H and Kalman Filters to filter data, henceforth making data usable for driver trials. Work enabled the team to gain additional insight into choosing drivers based on analytical performance.

Lead Programmer, *Chaparral Firebird Robotics*

Fall 2021-Spring 2022

- Programmed an autonomous and tele-operable robot in Java to compete in the 2022 First Robotics Competition
- Intertwined proficiency in Java with graduate level robotics control theory such as PID and trajectory control
- Learned to work in a team-building atmosphere

WORK EXPERIENCE

Morey's Piers, Wildwood, NJ: Ride Operator

Summer 2021

- Operated the carousel at Morey's Piers during the 2021 summer
- Demonstrated leadership, responsibility, and accountability in cultivating a safe, friendly, and fun experience for guests

EXTRACURRICULAR EXPERIENCE

ASU Motorsports - Formula SAE, Tempe, AZ

Fall 2022- Present

- Working within the Data Acquisition team to help the team with analyzing car/driver performance.
- Working with Formula-style race cars with the purpose of competing at the annual Formula Student competition in Brooklyn, MI.

ASU Machine Learning Club, Tempe, AZ

Fall 2022 - Present

- Attended weekly meetings to gain experience in machine learning topics such as linear regression and k-nearest neighbors algorithms

Software Developers Association, Tempe, AZ

Fall 2022 - Present

- Attended weekly meetings to gain experience in Computer Science and Software Engineering related topics

ASU Google Developer Student Club, Tempe AZ

Fall 2022 - Present

- Attended weekly meetings to gain experience in Software Engineering related topics