John Grohman

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Education

Missouri University of Science and Technology

Computer Science   Class of 2024

Minor: Spanish   GPA: 3.5/4.0

Experience

Missouri University of Science and Technology   Rolla, MO
Autonomy Programmer – Mars Rover Design Team   Fall 2020 – January 2021
- Worked on the autonomy sub team with search pattern and navigation code
- Wrote programs in python that allowed the rover to navigate itself around a detected obstacle, on its own.
- Gained experience using git and pipenv
- Wrote tests using a google map API to verify accuracy of navigation and visualize routes of the rover

Lambda Chi Alpha Fraternity   Rolla, MO
Social Media Chairman   Spring 2021-Present
- Designed posts on my fraternity's social media platforms
- Update and Optimized our website with new information

Columbia High School   Columbia, IL
Drum Major – Marching Band   May 2018 – November 2019
- Was the drum major for my high school's marching band for two consecutive years
- Won best overall drum major at the Pinckneyville parade competition
- Lead the band down Main Street U.S.A. at Walt Disney World

Skills

Computer:
- Python, C++
- Git, GitHub, GitLab
- Bash
- HTML & CSS

Linguistics:
- Studied Spanish for 7 years.
- Earned seal of biliteracy in high school through the AAPPL assessment

Courses:
- Computational Problem Solving with Python
- Intro to C++
- Discrete Mathematics
- Intro to Digital Logic

Projects

Columbia High School   Columbia, IL
Research Project – English   2019
- Conducted a four-month long research project on climate change
- Wrote an 11-page paper
- Created a 15-minute-long documentary titled [The Causes and Effects of Global Climate Change](#)