

John Grohman

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Education

Missouri University of Science and Technology December 2024
B.S. Computer Science **GPA: 3.5**
Minor: Spanish

Courses:

- | | | |
|------------------------|--------------------------|------------------|
| - Computational | - Intro to Digital Logic | - Statistics |
| - Problem-solving with | - Discrete Mathematics | - Calculus 1 & 2 |
| - Python | - Intro to C++ | - Physics 1 & 2 |

Experience

Missouri University of Science & Technology Rolla, MO
Autonomy Programmer – Mars Rover Design Team Aug 2020 – Jan 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.
- Wrote tests using a google map API to verify accuracy of navigation and visualize routes of the rover
- Gained experience using git and pipenv

Missouri University of Science & Technology Rolla, MO
Front-End Developer – ACM Web Aug 2021 - Present

- Utilized React.js to create front-end features as a team of developers
- Fixed front-end event date formatting issue on the ACM production site (mstacm.org)
- Learned about virtualization with Docker

Lambda Chi Alpha Fraternity Rolla, Mo
Secretary Jan 2022 - Present

- Managed Outlook Calendars, Outlook Groups, Slack
- Updated spreadsheets using Google Sheets
- Communicated with all members of the Fraternity including all officers

The Falls Reception and Conference Center Columbia, IL
Server Jun 2021 - Present

- Communicated with customers and answered questions about our menu.
- Communicated orders with staff and bartenders.
- Assisted in setting up rooms for events.

Columbia High School Columbia, Illinois
Drum Major – Marching Band May 2018 – November 2019

- Lead the band in numerous parades and field shows
- Communicated with band director
- Won best overall drum major at the Pinckneyville parade competition

Skills

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- | | | |
|-----------------------|--------------|-----------------------|
| - Python, C++, Bash | - HTML & CSS | - Git, GitHub, GitLab |
| - Git, GitHub, GitLab | - Spanish | - Communication |

Projects

Research Project – [The Causes and Effects of Global Climate Change](#) Columbia, IL
- Conducted a four month research project and created a 15 minute doc. 2019