

## John Grohman

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### Education

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Missouri University of Science and Technology

**December 2024**

**B.S. Computer Science**

3.50 GPA

Minor: Spanish

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

### Experience

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ACM Web

**Aug 2021 – Present**

**Front-End Developer**

Rolla, MO

- 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](http://mstacm.org))
- Learned about virtualization with Docker

Mars Rover Design Team

**Aug 2020 – Jan 2021**

**Autonomy Programmer**

Rolla, MO

- Developed search pattern and navigation algorithms as a member of the autonomy sub team
- Wrote autonomous rover detection and navigation Python programs that allowed the rover to navigate itself around a detected obstacle
- Wrote tests using a Google Maps API to verify accuracy of navigation and visualize routes of the rover
- Gained experience using Git and Pipenv

The Falls Reception and Conference Center

**Jun 2021 - Present**

**Server**

Columbia, IL

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

### Leadership

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Lambda Chi Alpha Fraternity

**Jan 2022 – Present**

**Secretary**

Rolla, MO

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

Columbia High School

**May 2018 – Nov 2019**

**Drum Major – Marching Band**

Columbia, IL

- Led 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 | Git | HTML & CSS | React.js | Spanish

### Projects

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**Research Project** – [The Causes and Effects of Global Climate Change](#)

**Jan 2019 – May 2019**

- Conducted a four-month research project and created a 15-minute doc.

Columbia, IL