

# Zachary Cohn

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Dynamic full-stack software engineer passionate about combining technology and creativity to deliver innovative solutions. Additionally, skilled technical theater designer with expertise in lighting, sound, and projections, having worked on over 20 productions in the last three years. (<https://zachwcohn.com/cvs/theatre.pdf>)

## Washington University in St. Louis

Bachelor's Technical Theatre, Computer Science

St. Louis, MO

Expected Graduation: May 2025

## SKILLS

**Languages**.....JavaScript, TypeScript, Python, PHP, C#, Visual Basic, Arduino C  
**Frameworks and Libraries**.....React, Next.js, Express, Node, Electron, jQuery, Socket.io, Flask, Django, Symfony, .NET  
**Tools and Platforms**.....Git, Regex, Linux, AWS Ec2, R2, Firebase, Docker, WordPress, Cloudflare, Apache, Raspberry Pi, Arduino, Jira, Figma, Adobe Creative Suite, DataDog  
**Databases**.....MySQL, MongoDB

## INTERSHIPS

### Amplify Education

Software Engineer Intern

Remote

June 2024 - August 2024

- Delivered new functionality for Desmos Classroom, enabling teachers to spend less time building curriculum and more time with students.
- Collaborated with designer, project manager, and other engineers to develop and implement product requirements

### Creative Conners, Inc.

Software Engineer Intern

Warren, RI

June 2023 - August 2023

- Enhanced Spikemark scenic automation software with dark and coloblind modes, improving usability and accessibility in theater production environments
- Refactored component styling system, improving app maintainability and design flexibility

### Center Stage Software

Web Developer Intern

Remote

June 2022 - October 2022

- Initiated development of customer-facing ticketing web app, improving user access and sales efficiency
- Migrated native Windows application to a web-based product, enhancing accessibility and functionality
- Innovated seat selection interface through research and experimentation, improving user experience and usability

## FREELANCE AND CAMPUS EXPERIENCE

### McKelvey School of Engineering, Washington University in St. Louis

Head Teaching Assistant

St. Louis, MO

September 2022 - Present

Course: CSE 330S/503S: "Rapid Prototype Development and Creative Programming" (Full-Stack Web Development)

- Led a team of TAs, conducted office hours, in-class help sessions, and addressed 300+ student questions per semester on Piazza.
- Developed auto-grading systems, reducing grading time by ~94%, and updated and created course materials for improved relevance and student experience

### Student Life Newspaper, Washington University in St. Louis

Senior Web Editor

St. Louis, MO

April 2024 - Present

- Oversaw website maintenance, updates, and content, ensuring high engagement and improved user experience.
- Led redesign initiative and developed bespoke web apps and WordPress integrations, enhancing functionality, aesthetics, and user satisfaction.
- Implemented an org-wide directory and Jira tracking, improving communication, collaboration, and project management.

### Artwork and Operations Management Platform

Freelance Developer

Remote

January 2023 - August 2023

- Oversaw website maintenance, updates, and content, ensuring high engagement and improved user experience.
- Directed development of an artwork and operations management platform, improving inventory management, sales monitoring, and gallery-client interaction.
- Collaborated with client team to design and develop features, ensuring alignment with client vision and needs

## PROJECTS

[Remote Note Printer](#)

Hardware and software project to remotely print messages with thermal printer and Raspberry Pi

[Free Time Chrome Extension](#)

Chrome extension that interacts with Google Clanedar to identify free or busy periods in your schedule

[MajorProblem! Reddit Bot](#)

A Reddit bot that responds to mentions of a "major problem" with an ASCII salute image