

ZACHARY COHN

software@zachwcohn.com • (646) 477-2420 • [linkedin](#) • [github](#)

EDUCATION

WASHINGTON UNIVERSITY IN ST. LOUIS

Bachelor's Technical Theatre, Computer Science

St. Louis, MO

Expected Graduation: SP 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, WordPress, Cloudflare, Apache, Raspberry Pi, Arduino, Jira, Figma, Adobe Creative Suite,

Databases: MySQL, MongoDB

EXPERIENCE

Internships

AMPLIFY

Software Engineering Intern (IN PROGRESS)

Remote

June 2024 - Present

CREATIVE CONNERS, INC.

Software Engineering Intern

Warren, RI

June 2023 - August 2023

- Developed dark mode for Spikemark scenic automation software using C# and VB.NET to enhance user experience and accessibility
- Participated in code reviews to ensure code quality and upholding of style guidelines
- Refactored component styling system to improve codebase maintainability and design flexibility
- Trained in machine assembly and testing to gain hands-on experience with hardware components.

CENTER STAGE SOFTWARE

Web Developer Intern

Remote

June 2022 - October 2022

- Developed customer-facing ticketing web app using PHP, JavaScript, HTML/CSS, and jQuery
- Contributed to the migration of a Windows admin application to a web-based product
- Built custom jQuery plugins for improved website functionality
- R&D'd the seat selection interface

Teaching Assistant 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).

- Managed a team of teaching assistants, held office hours and in-class help sessions
- Developed auto-grading systems using Python, improved grading times by approx. 94%
- Contributed to course textbook to enhance student experience and maintain up-to-date course content
- Produced training videos and documentation for TA onboarding
- Answered 300+ student questions per semester on Piazza online course forum

**Promoted to Head TA Spring 2023; previously held Primary TA position*

Freelance and Campus Experience

STUDENT LIFE NEWSPAPER, WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Senior Web Editor

April 2024 - Present

- Oversaw website maintenance, updates, and content management for the university newspaper.
- Led development of bespoke web apps and WordPress integrations for newspaper “special projects”
- Tracked all technical initiatives and issues with Jira.
- Led redesign initiatives to enhance website functionality and aesthetics.

ARTWORK AND OPERATIONS MANAGEMENT PLATFORM

Remote

Freelance Developer

January 2023 - August 2023

- Led the full-stack development (Next.JS, Cloudflare, MySQL) of an artwork and operations management platform for a notable pop artist, enabling inventory oversight, sales monitoring, and gallery-client interaction
- Implemented a custom TIFF image upload system via Cloudflare and R2
- Collaborated with client to design and develop product features.
- Onboarded a qualified developer to ensure project continuity and a smooth transition to balance growing academic demands

PROJECTS

LOVE NOTE PRINTER

[PROJECT REPO](#)

- Designed and developed a full-stack hardware and software application/device to upload and print daily love messages for my significant other
- Developed and deployed TypeScript, Node, and Socket.js server on AWS Linux instance
- Created a client application (React) for uploading and managing love notes and messages
- Designed, 3D printed, soldered, and assembled an enclosure to house an LCD, Raspberry Pi Zero, and Thermal Printer

FREE TIME FINDER

[PROJECT REPO](#)

- A Chrome extension that interfaces with Google Calendar to identify free or busy periods in your schedule

COURSE REGISTRATION AUTOMATION

[PROJECT REPO](#)

- A Chrome extension to automate course registration, built to ensure I get into my first-choice classes

MAJORPROBLEM! REDDIT BOT

[PROJECT REPO](#)

- A fun Reddit bot that responds to mentions of a “major problem” with an ASCII salute to Maj. Problem