

Lye Hatten

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Summary:

Full-stack software engineer and rising senior majoring in Computer Science at Swarthmore College with four years of professional development experience, including two positions focused on building accessible, user-facing web applications. Committed to combining technical rigor with a deep dedication to web accessibility and inclusive design. Background spans front-end engineering, full-stack development, and technical mentorship, with expertise in Angular, React, Vue, and TypeScript.

Education:

- **Swarthmore College:** Bachelor of Arts, Computer Science. **Projected 2027**
- **Eleven Fifty Academy:** Web Development Immersive Learning Program **2020-2021**

Work Experience:

Student Mentor (Ninja)

Begins Aug 2026

Swarthmore College Computer Science Department

Swarthmore, PA

- Selected for the inaugural cohort of four student mentors for the newly created Foundations of AI & Machine Learning course
- Support enrolled students by sharing expertise during scheduled labs and evening mentor-led study sessions

Web Developer

June 2024 – Dec 2025

MacguyverTech

Remote

- Developed three client applications built with Appwrite and Astro: a web storefront for a renovation company, a social media platform for networking groups, and an internal portal for an insurance company
- Conducted code reviews and rigorous testing to enforce development best practices across all client projects

Software Engineer

Feb 2022 – Feb 2024

DIGIOP

Hybrid, Indianapolis, IN

- Built and maintained Carbon, DIGIOP's loss prevention product serving major retail clients including Love's Travel Stops and Ace Hardware, using Angular, Material Design, MSSQL, and .NET/C#
- Shipped new features that contributed to product growth ahead of the company's acquisition by ADT, including a weekly loss prevention checklist and an interface for tracking criminal cases related to theft
- Collaborated with back-end developers to integrate REST API calls into the front-end codebase, managing source code via Git and Azure DevOps

Web Developer

Nov 2021 – Feb 2022

MacguyverTech

Remote

- Developed and maintained client-facing web applications using HTML, CSS, JavaScript, and Vue
- Partnered with designers to build user-friendly, accessible interfaces and delivered projects to client specifications on time

Learning Assistant

Mar 2021 – Jan 2022

Eleven Fifty Academy

Remote

- Held office hours to support up to 20 students with JavaScript, HTML, CSS, React, Git, and TypeScript
- Guided students through the full application development lifecycle, from conception to deployment
- Demonstrated debugging techniques and identified common development errors to build student problem-solving skills

Certifications:

- **CIW Advanced HTML5 and CSS3 Specialist** Certification Partners, Issued June 2021 (Credential ID 943681)

Skills:

Web Accessibility & Front-End: Responsive Web Design, Web Accessibility, Material Design, HTML, CSS, SASS

Languages: JavaScript, TypeScript, SQL, PHP, Python, C, C++

Frameworks: Angular, Vue.js, Vuetify, React (Hooks and Legacy), Astro, Bootstrap, Express.js

Libraries: Material UI, Reactstrap, PyTorch

Web Technologies: REST APIs, Node.js, WordPress, Appwrite, Session Validation

Databases: PostgreSQL, MSSQL, Sequelize

CI/CD & Deployment: Git, GitHub, Azure DevOps, Agile, Scrum, Heroku, Firebase