

Alexander Haga

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WORK EXPERIENCE

Software Engineer

INCOMING AUG 2025

Epic Systems

Madison, WI

- Design and implement software solutions for healthcare systems following Epic's development best practices, with emphasis on performance optimization, data security, and compliance with healthcare regulations
- Collaborate cross-functionally with product managers, UX designers, and quality assurance teams to develop and deploy mission-critical healthcare software applications serving medical providers nationwide
- Pioneer continuous improvement initiatives through comprehensive testing, system integration, and code refactoring to ensure optimal functionality and maintainability of Epic's healthcare software ecosystem

Software Engineering Intern

June 2024 – August 2024

The Estée Lauder Companies

New York City, NY

- Architected and implemented a comprehensive data validation and sanitization pipeline for a critical internal financial metrics application, while simultaneously enhancing the API's security protocols and ensuring adherence to corporate formatting guidelines
- Worked with Microsoft to engineer and deploy robust, user-centric frontend components for a GPT-4 AI-powered claims engine, prioritizing security and intuitive user experience
- Spearheaded the development of an extensive integration and regression test suite, achieving 100% code coverage for the internal financial metrics application's API, up from 0%, significantly enhancing software reliability and performance

EDUCATION

California State University, Chico

Chico, CA

Bachelor of Science in Computer Science, Minor in Cybersecurity 3.9 GPA

Aug. 2021 – May 2025 est.

EXTRACURRICULARS

Association for Computing Machinery Vice President

August 2022 – Present

Computer Science Club

California State University, Chico

- Work with fellow officers to administer coding tournaments and compete in **International Collegiate Programming Competitions**, troubleshoot code issues in a fast-paced environment, solve programming challenges on HackerRank, promote the club, manage club activities, and host mock interviews
- Delivered the entire catalog of ACM's promotional materials, website interface, graphics, and club merchandise, leading to a 200% increase in membership and retention
- Utilized my connections to create a production logo for the entire computer science department

Upsilon Pi Epsilon Member

August 2022 – Present

- Computer Science Honors Society

California State University, Chico

- Membership is based on exceptional grades, philanthropy, and excellence in computer science

TECHNICAL PROFICIENCIES

Languages: C/C++, JavaScript, TypeScript, Python, SQL (Oracle), Java, HTML/CSS, Hadoop, Pig, Dart, ARM Assembly

Frameworks: React, Node.js, Zod, JEST, Mocha, Ultralight UX, WordPress, Material-UI, Flutter, MongoDB, PLSQL, NoSQL

Developer Tools: Azure DevOps, Axios, Copilot, GitHub, Git, Figma, AWS, Microsoft Office Suite, Google Suite, Google Cloud Platform, Visual Studio Code, IDLE, IntelliJ, Eclipse, VIM

Libraries: C++ STL, Raylib, gnuplot, sciplot, Matplotlib

Operating Systems: Windows, Mac, Linux: Ubuntu, Debian, Arch, Fedora, Kali

PERSONAL PROJECTS

TaskZen | *MongoDB, ExpressJS, ReactJS, NodeJS, Axios*

June 2023 – Present

- Developed and published a full-stack task web app designed with a partially animated user interface
- Utilized Axios token authentication to retrieve and store user tasks in the MongoDB database
- Deployed the MediaStack API to aggregate relevant wellness tips and tricks on the "news" page

Charcoal | *Ultralight UX, Python, Javascript*

January 2024 – Present

- Engineered a comprehensive suite of e-book editing and grayscale tools for standalone and plugin integration
- Leveraged the Ultralight UX framework to design a lightweight, scalable user interface, incorporating key accessibility features