

Michael Aho

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EDUCATION

James Madison University, B.S. Computer Science

Graduating Dec 2026

- Relevant Coursework: Algorithms & Data Structures, Web Development, Software Engineering, Application Development, Object-Oriented Programming, Computer Systems I & II
- Awards: Fall 2024 & Spring 2025 Dean's List

WORK EXPERIENCE

Software Engineer Intern, Cross Screen Media

May 2025 - Present

- Optimizing ScreenSolve, an advertising analytics platform used in 1,000+ advertising campaigns with React.js, TypeScript, Django, and Python.
- Built and deployed a Python solution in ScreenSolve's Audience Builder, resolving data handling issues for 75+ attributes resulting in a 12% increase in available audience reports.

Web Development Intern, LandmarksCM

Jan 2024 - Apr 2024

- Designed and developed a company website using WordPress, JavaScript, and HTML/CSS.
- Implemented Google's captcha system blocking 96% of spam emails sent to the company.
- Assisted the company in researching and implementing AI to automate repetitive data entry tasks.

PROJECTS

QuickMarkets | React.js, Django, Python, MySQL | [Source Code](#)

Apr 2025 - Present

- Leading a team of 3 in building a competitive stock market simulator that compresses a full trading day into 5 minutes.
- Built a stock pricing algorithm using Geometric Brownian Motion and stock trend modeling, achieving a 91% accuracy in replicating historical price behavior - tested using PyTest.
- Engineered REST APIs for user authentication, trade transactions, and portfolio updates.

CS WorkLoad | JavaScript, BootstrapCSS | [Source Code](#)

Mar 2025 - Apr 2025

- Deployed an academic planning tool for 600+ students, resulting in an 85% reduction in graduation planning time through a planning algorithm based on preferences and prerequisites.
- Integrated RapidAPI's job search API to display job data to users based on post-grad plans.

DailyRise | React.js | [Live Site](#) | [Source Code](#)

Jan 2025 - Feb 2025

- Deployed a morning dashboard application that centralized important daily updates.
- Integrated APIs to fetch and display S&P 500 tracking, live weather data, and news updates.

Cookbook App | Java, Git, Jira | [Source Code](#)

Oct 2024 - Dec 2024

- Collaborated with a team of 5 on a cookbook application using JUnit for full test coverage.
- Created an MVC architecture with file-based data storage for ingredients and recipes.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, Java, SQL, HTML, CSS, C

Frameworks & Libraries: React.js, Django, JUnit, PyTest

Tools: Git, Docker, Jira, Linear, Figma, VS Code, REST APIs