

# Michael Aho

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## EDUCATION

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**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

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**Software Engineer Intern**, CrossScreen Media

*May 2025 - Present*

- Contributing to the optimization of ScreenSolve using React.js, Typescript, and Python improving the tools media analytics capabilities and user experience.
- Working with AWS storage, Docker CI/CD pipelines, and Cypress testing.

**Web Development Intern**, LandmarksCM

*Jan 2024 - Apr 2024*

- Designed and built a company website using WordPress and JavaScript.
- Assisted the company in learning/implementing AI to automate repetitive data entry tasks.
- Implemented a captcha system that blocked 96% of spam emails sent to the company.

## PROJECTS

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**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 behaviour - tested using PyTest.
- Engineered REST APIs using Django, stored data with MySQL, and built the UI with React.js.

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

*Mar 2025 - Apr 2025*

- Deployed an academic planning tool for **600+ students**, resulting in a **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, reducing update retrieval time by 80%.
- 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

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

**Frameworks & Libraries:** React.js, Django, JUnit, PyTest, REST APIs

**Tools:** Git, Jira, Linear, Figma, VS Code, Eclipse, Cypress, Sentry