AINSLEY FREEDMAN

Columbus, OH (willing to relocate)

📞 614-795-6537 ✉ ainsleyfreedman01@gmail.com

in www.linkedin.com/in/ainsley-freedman https://github.com/ainsleyfreedman01

Education

Emory University	**August 2023-May 2027**
Bachelor of Science in Mathematics/Computer Science	*Atlanta, GA*

Relevant Coursework

Data Structures and Algorithms, Analysis of Algorithms, Computer Architecture/Machine Level Programming, Machine Learning, Computer Science Practicum, Discrete Math, Calculus I & II, Multivariable Calculus, Linear Algebra, Numerical Analysis, Mathematical Statistics I

Experience

The Home Depot **May 2025 – July 2025**
Software Engineer Intern *Remote*
- Built and deployed a production-ready offline switch for POS systems, reducing register recovery time by 37.5% (4 mins → 2.5 mins) and improving uptime during degraded network states.
- Created a Grafana dashboard providing store leadership with real-time visibility into register and store status, enabling proactive monitoring and decision-making.
- Successfully tested new features on real registers at the Marietta Technology Center and in a live Home Depot store, ensuring enterprise-level security and reliability.

Self-Employed **June 2023 – August 2024**
Mathematics Tutor *New Albany, OH*
- Accelerated math learning for 9 students by designing individualized approaches, demonstrating the ability to identify user needs.
- Developed a custom interactive multiplication table using HTML, CSS, and JavaScript to reinforce learning and enhance students' math comprehension.

Technical Projects

WOW! Fresh Meat | *Next.js, Tailwind, Figma* **September 2024-Present**
- Co-developed the frontend of WOW! Fresh Meat's ordering and management system using Next.js, enhancing user experience for customers and management.
- Designed intuitive UI/UX components to simplify order placement and streamline tracking.
- Collaborated with the team to incorporate feedback from restaurant owners, ensuring the site's features and design aligned with their operational needs and goals.

The CompPendium Blog | *HTML, CSS, Bootstrap, JavaScript, Node.js* **September 2024-Present**
- Developed a computer science blog to share with other students and learners interested in computer science.
- Utilized HTML, CSS, and Bootstrap for frontend and Node.js for backend to enable email submissions.
- Fostered a learning community by providing a platform for engagement, question-asking, and support.

Analyzing Antisemitism: Insights with ML | *Matplotlib, pandas, scikit-learn* **January 2025-February 2025**
- Leveraged data analysis and machine learning techniques to identify patterns and forecast future trends.
- Designed and implemented visualizations with Matplotlib Pyplot to communicate findings to diverse audiences.
- Shared insights and projections with the Cincinnati chapter of the American Jewish Committee (AJC), contributing to ongoing discussions and initiatives aimed at addressing campus antisemitism.

Core Competencies and Technical Skills

Languages: Java, Python, C, JavaScript, HTML, CSS, SQL (SQLite)
Tools/Technologies: Git, React, Bootstrap, Tailwind, Phaser.js, jQuery, Angular, REST APIs, Figma, Matplotlib, pandas, scikit-learn, MATLAB
Core Competencies: SDLC, Agile Methodology, Communication, Customer-Focused Solutions, Team Collaboration, Leadership, Problem Solving, Time Management, Organization, Frontend Development

Leadership and Community Engagement

Girls Who Code **September 2024 – Present**
Youth Volunteer Coordinator *Atlanta, GA*
- Led weekly coding classes for 20 girls, creating and presenting instructional content.
- Mentored students to build coding skills and confidence in problem-solving.