# Alyssa Mann

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## EDUCATION

**Bachelor of Science in Computer Science** May 2026
*University of Florida,* Gainesville, FL
- **GPA:** 3.48 / 4.00
- **Relevant Coursework:** Programming Fundamentals (1 & 2), Applications of Discrete Structures, Data Structures & Algorithms, Introduction to Computer Organization, Object Oriented Programming
- **Achievements & Involvements:** Society of Hispanic Engineers (SHPE), Women in Computer Science and Engineering (WiCSE), WiCSE Corporate Mentorship, Girls Who Code, Florida Bright Futures Scholarship

## PROFESSIONAL EXPERIENCE

**Web Development Intern** January 2024 – Present
*UF Information Technology,* University of Florida
- Collaborated with web designers, developers, and accessibility specialists to translate mockups into functional, responsive web pages tailored to WCAG compliance.
- Analyzed web content with web accessibility tools such as Siteimprove to proof, detect, and correct issues.
- Resolved over 20 UFIT site issues via web content management system to increase accessibility and quality assurance, improving overall DCI by 7.5% above industry benchmark.

## PROJECTS

**E-Portfolio** March 2024
*HTML, CSS, JavaScript*
- Designed and implemented an e-portfolio showcasing projects and achievements using HTML, CSS, and JS.
- Implemented best practices in web design and accessibility to optimize performance across browsers.
- **Link to E-Portfolio:** https://alymann.github.io/

**SpellCheck** December 2023
*C++, SFML*
- Created a spellcheck program using Trie and Hashmap data structures to validate input against 100k data points.
- Oversaw integration of the Trie functionality to verify words in a dictionary or else generate alternatives.
- Analyzed the performance of space and time complexity, comparing startup time, verification time, and memory usage for efficiency.

**Sudoku**
*Python, Pygame* November 2022
- Showcased a proficiency in programming logic and game development by coding Sudoku from scratch.
- Implemented key features such as puzzle generation, user interface, and solution verification.
- Designed an organized and intuitive UI that allowed users to engage with various game components.
- Collaborated with a team of 3 to ensure seamless integration with other project components.

## INVOLVEMENT

**Mentee** January 2024 – Present
*WiCSE Corporate Mentorship,* University of Florida
- Actively participated as a mentee in a mentorship program aimed at supporting women in computer science.
- Engaged in regular meetings with my mentor to discuss career goals, professional challenges, and skill development strategies.
- Developed valuable networking connections and gained insights into industry trends and best practices.

## SKILLS

**Programming Languages:** C++, Python, Java, JavaScript, MATLAB, ARM Assembly, R, HTML, CSS
**Tools:** Git/GitHub, Terminal Four, Siteimprove, Microsoft Office, Google Workspace