

# Mary Williams

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## EDUCATION

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**The University of Texas at Austin, Austin, TX**

- BSA Computer Science and Minor in Business
- **Relevant Coursework:** Data Structures & Algorithms, Computer Architecture, Principles of Computer Systems, Information Technology Management, Discrete Math, Professional Communications

## TECHNICAL SKILLS

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**Languages:** Java, C, Python, Javascript

**Web Development:** React, Bootstrap, Firebase, Node.js

**Tools & Platforms:** Git, Linux, Figma, Excel, Jira

## SOFTWARE PROJECTS

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**Personal Website – React.js, Bootstrap, Firebase, Figma**

August 2025

- Developed a responsive portfolio website with React.js, Bootstrap and Firebase hosting, showcasing projects and technical skills with cross-device compatibility
- Created user interface in Figma, producing consistent color/typography systems, and interaction flows to ensure a clean, intuitive user experience aligned with modern web design principles

**NASA APOD Slack Bot - Python, API, AWS Lambda**

July 2025

- Developed an automated Slack bot to fetch NASA's daily Astronomy Picture of the Day via NASA's REST API and post it with description and high-res images using Slack Incoming Webhooks
- Built serverless architecture using AWS Lambda to schedule daily posts with AWS EventBridge, ensuring zero-maintenance and scalable deployment

**Pintos Operating System - C, GDB, Git**

Jan - Apr 2025

- Collaborated in a team to design, code, and test a working operating system in C, featuring thread scheduling algorithms, system call interfaces, file systems, and virtual memory management
- Utilized Linux-based development practices to hone skills in data structures, algorithms, and low-level program problem solving

## WORK EXPERIENCE

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**Vorago Technologies, Austin, Tx**

May 2025 - Aug 2025

*Application Engineer Intern*

- Reduced manual processing time by 60% by developing a Python script to automate writing of log files
- Enhanced existing automation scripts to streamline programming and testing of client Evaluation Kits (EVKs), improving workflow efficiency
- Assembled, programmed, and tested 150 EVKs for clients, ensuring high quality and timely fulfillment

**University of Texas at Austin, Kinsolving**

Jan 2024 - Present

*Front Desk Assistant*

- Manage resident concerns, check-ins, mail distribution, and front desk operations, applying strong communication, organization, and problem-solving skills to maintain an efficient and welcoming environment

**YMCA, Buda, Tx**

July 2021 - Aug 2024

*Childcare Provider & Camp Counselor*

- Led educational and recreational programs for children, fostering teamwork, conflict resolution, and personal growth while demonstrating adaptability, patience, and strong communication in a dynamic group environment

## LEADERSHIP & COMMUNITY INVOLVEMENT

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**Society for Advancing Gender Equity in STEM (SAGES), Mentor**

Aug 2024 - Present

- Mentor local high school students on college applications, STEM education, scholarships, and career pathways, providing guidance and feedback to build confidence and readiness for higher education

**Women in Computer Science (WiCS), Mentor/ Member**

Aug 2023 - Present

- Mentor and support high school and current students through hackathons, "Follow the Leader" shadow days, and academic/corporate networking events, fostering long-term relationships and providing guidance