JASMINE MASOPEH

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PROFESSIONAL SUMMARY

Detail-oriented software engineer intern with 2+ years in embedded systems, web development, Data science, Machine learning, and digital infrastructure. I developed a PC application that improved test efficiency at AeroVironment and enhanced network performance for Florida State University's DHCP and DNS servers. My skills in C++, Python, and data analysis have consistently driven impactful results.

EDUCATION

Florida State University   **May 2026**
Master's of Science, Computer Science
- Advanced Artificial Intelligence, Network Security, Computer Graphics, Data Science

Florida State University   **December 2024**
Bachelor's of Science, Computer Science
- Intro to Artificial Intelligence, Theory of Computation, Calculus III, Introduction to Artificial Programming, Operating Systems, Secure Parallel and Distributed Computing with Python, Data Structures & Algorithms 2

SKILLS

- **Skills:** HTML/CSS, Java, Python, MATLAB, Excel/Numbers/Sheets, C/C++, Data Science, PHP, JavaScript, React.js, AWS, Canva, Adobe Photoshop, Drupal, Jekyll, OpenGL, Agile, Cryptography, Customer Service, Flask, Firebase, Jupyter, Kotlin, Kubernetes, Linux/Unix, Machine Learning, MongoDB, MySQL, Nginx, NumPy, Postgres, Postman, PowerShell, React Native, Ruby, SCRUM, SolidWorks, SQL, Tableau, TCP/IP, TensorFlow, TypeScript, UI/UX Design

PROFESSIONAL EXPERIENCE

AeroVironment   **Simi Valley, CA, USA**
Software Engineer Intern   *June 2025 - August 2025*
- Built a dynamic website using Jekyll and JavaScript to automatically render files from remote GitLab repositories onto webpages.
- Integrated GitLab API and OAuth2 authentication to display private repository content securely to authorized users.
- Designed a scalable system to fetch and present repository files without manual page creation, streamlining content delivery.

Florida State University   **Tallahassee, FL, USA**
Learning Assistant   *August 2024 - December 2024*
- Led weekly recitation sessions for an Intro to Computer Science course to reinforce lecture material and facilitate peer learning.
- Held regular office hours to provide one-on-one academic support, clarify course concepts, and assist with programming assignments.
- Collaborated with course instructors to align teaching strategies and provide feedback on student progress and common challenges.

AeroVironment   **Simi Valley, CA, USA**
Software Engineer Intern   *May 2024 - August 2024*
- Engineered embedded software in C++ for precise motor and servo control in aircraft rotor testing, enhancing system reliability
- Developed a robust parser for UART signals from the ESC and updated PWM, ensuring seamless communication and operation
- Created a PC application for sending instructions and receiving messages from the microcontroller, significantly improving test efficiency.

Florida State University   **Tallahassee, FL, USA**
OPS Core Programmer   *August 2023 - May 2024*
- Successfully executed over 800 critical updates and enhancements to DHCP and DNS Servers, enhancing network performance and reliability for the entire FSU campus.
- Developed a Python script to efficiently parse and analyze data, providing a comprehensive overview of utilized Access ports

AeroVironment   **Simi Valley, CA, USA**
DBT Infrastructure Intern   *May 2023 - August 2023*

- Redesigned the company's service desk website using Ivanti to improve accessibility and user experience across departments.
- Automated access control and user provisioning by implementing Okta Lifecycle Management and refining AWS IAM policies.
- Improved network security and performance by optimizing firewall rules, configuring SolarWinds NPM, and supporting server virtualization.

Meta   **Remote**
Apprentice Meta/Facebook Data Challenge 2022   *March 2022 - August 2022*
- Analyzed Netflix dataset and IMDB dataset using Python and SQL to provide Meta with insights and recommendations for Zuckflix, a hypothetical Meta movie platform.
- Utilized data visualization tools such as Matplotlib, Tableau, and Seaborn to present findings and propose new strategies for Meta.

U-Haul   **Remote**
U-Haul Sales and Reservations Agent   *August 2021 - June 2022*
- Scored in the top 5 percent of metrics in team. This was calculated by the number of sales made, time spent on each call, and customer satisfaction.
- Assisted customers with making reservations online and navigating through the technical space.
- Developed strong communication skills by speaking with customers and communicating with team members

RESEARCH

PIARO (Personal Image Annotation and Retrieval Organizer)
- Developing an Android app that seamlessly integrates with the Android OS to access screen content, clipboard data, and photo gallery. Real-time capture of user interactions (e.g., viewing a social media post and selecting a caption). The ability to annotate and organize images instantly without switching platforms or devices.