Sophia Dadla

(407) 497-6813 | dadlas@ufl.edu | https://www.linkedin.com/in/sophia-dadla/ | https://github.com/sophiadadla

EDUCATION

University of Florida, B.S. in Computer Science, GPA: 3.6 / 4.0   **August 2022 – May 2026**
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems, Computer Organization, Information & Database Systems, UX Design, Algorithm Abstraction, Programming Language Concepts
Security Clearance: Secret (2025 – Present)

SKILLS

Programming Languages: C++, Python, JavaScript, HTML/CSS, Java, SQL, MATLAB
Frameworks & Tools: Git, Linux, React.js, Node.js, AWS Lambda, MongoDB

EXPERIENCE

Lockheed Martin, Rotary & Mission Systems   **Orlando, FL**
Software Engineering Intern   **May – August 2025**
- Contributing to the existing codebase of a military training simulation web application, developing features with **React.js**
- Redesigning and implementing user interfaces for a more intuitive and engaging UI/UX with **Material UI** and **HTML/CSS**
- Constructing automated CI/CD pipelines using **Robot Framework** to validate application functionality and performance

Software Engineering Intern   **May – August 2024**
- Collaborated with ONR representative to enhance military training simulation, implementing 3 UI features in **JavaScript**
- Created a customizable radio emission heatmap via image-processing, using data structures to speed up rendering by 50%
- Improved a DoD-facing 30+ button toolbar with **Bootstrap**, adding a collapsible modal feature to cut screen clutter by 15%
- Worked on an Agile team of 20+ engineers to fulfill customer requests on-time, utilizing **GitLab** for project management

KidzHack, VIBES Platform   **Gainesville, FL**
Software Engineering Intern   **January – May 2024**
- Implemented a scalable, cloud-based backend that monitors ~5.5K students' well-being across 10+ US middle schools
- Developed 4 **AWS Lambda** functions to process ~20K daily HTTP requests from the **Angular** front-end
- Configured an API Gateway to enable secure communication between user submissions and AWS Lambda functions

UF Literacy Institute   **Gainesville, FL**
Development & Research Assistant   **January – May 2023**
- Built 2 web-based word games (Triple Tic-Tac-Toe & Connect 4) in **JavaScript** for English instructors, with 30K+ DAU
- Surveyed 65 teachers via X/Facebook web scraping on Alpha game release, achieving an 88% positive feedback rate

PROJECTS

GatorGoalMate   **January – May 2024**
- Collaborated on developing a goal-setting social media platform using **MongoDB**, **Express**, **React.js**, and **Node.js**
- Led database management and authentication to store 10+ user data points, such as username, password, and followers
- Participated in 7 Agile sprints throughout the semester, utilizing **GitHub** for version control and issue tracking

Slack Data Portal   **August – December 2023**
- Created a Slack app with Bolt for JavaScript and Slack API, allowing users to access detailed data from 9+ channels
- Produced 5+ slash commands and integrated API calls, improving data accessibility and boosting user engagement
- Completed 100+ hours of hands-on development, collaborating with an experienced mentor from American Express

Movie Recommender   **October – December 2023**
- Constructed a movie recommendation system with **C++**, **React.js**, and OMDb API, analyzing 100K+ movie data points
- Made a priority queue ranking algorithm to recommend movies based on 6 user preferences, including genre, season, etc.
- Crafted a **React.js** UI dashboard allowing users to input preferences and receive 5 personalized movie recommendations

LEADERSHIP

Society of Women Engineers
Intramural Sports Chair & Fundraising Chair   **May 2023 – May 2025**
- Organized and lead SWE's intramural sports teams and fitness-related events, increasing participation by 50%
- Coordinated our chapters participation in S2S fundraising goals, resulting in an award of $1000