JACK WARDLAW

(941)-806-7058   jackwardlaw0@gmail.com   linkedin.com/in/jackwardlaw   jackwardlaw.netlify.app

Education

University of Florida Honors Program   **May 2026**
B.S. in Computer Engineering   *Gainesville, FL*
GPA: 4.00
Relevant coursework: Intro to SWE, Digital Logic, Signals and Systems, Data Structures & Algorithms

Experience

JPMorganChase   **Jun 2024 – Present**
Software Engineering Intern   *Tampa, FL*
- Developed and deployed a robust Spring Boot application for API handling, leveraging AWS ECS for seamless auto-scaling, ensuring high availability and optimal performance under varying loads.
- Engineered efficient CI/CD pipelines using Spinnaker for deployment orchestration, Terraform for cloud infrastructure provisioning, and Jenkins for testing automation, accelerating development and ensuring consistent delivery standards.
- Optimized infrastructure costs by transitioning from an on-premises proxy to an AWS cloud proxy, improving operational expenses and enhancing security and scalability.

SmartData Lab   **Jan 2023 – Present**
Undergraduate Researcher   *Gainesville, FL*
- Improved accuracy for complex image recognition problems by leveraging python libraries for computer vision including NumPy, OpenCV, and SciPy in an offline Linux environment.
- Accepted into the 32nd American Society of Nondestructive Testing Research Symposium by coauthoring a technical paper concerning machine learning algorithms for anomaly detection of ultrasonic C-scans.
- Designed an active learning system in under 6 weeks to improve accuracy with minimal data by intelligently selecting predictions from YOLOv5 and querying human annotators.
- Identified images as one of two classes with over 90% accuracy by designing a convolutional neural network from scratch using PyTorch library.

ForestChain   **May 2023 – Jul 2023**
Study Abroad Intern   *Madrid, Spain*
- Spearheaded U.S. expansion by updating WordPress website, creating English video tutorials of company software, and landing meetings with 2 large U.S. lumber associations comprising over 900 businesses.
- Established CRM database using HubSpot by researching, organizing, and uploading over 700 contacts and clients.
- Articulated PRDs for expansion projects by consolidating management's ideas into coherent tasks for developers.

Venice Vikings Youth Football   **Jul 2021 – Aug 2021**
Front-End Web Developer   *Venice, Florida*
- Implemented HTML & CSS with Bootstrap framework and AOS library to create a responsive and appealing website.
- Coordinated with team staff to design web pages, listened to feedback, and made modifications to enhance user experience and information accessibility.
- Debugged and tested code to ensure an error-free website, enhancing user experience and site reliability.

Involvement

Dream Team Engineering   **Aug 2023 – Present**
Software Engineering Division
- Integrated Three.js library components with React.js functionalities to dynamically display 3-dimensional objects from an AWS S3 bucket, improving patient clarity and aiding doctors in LVAD heart implant preparation.
- Conceptualized and refined web application components utilizing CSS for an intuitive user interface design.
- Coordinated a collaborative and efficient environment amongst a team of five members by employing GitHub version control for code management and Vercel integration for continuous deployment.

Honors Athletics   **Nov 2022 – Present**
Founder & President
- Created an inclusive environment for 30+ students to safely relieve school stress through physical activity by coordinating and leading weekly recreational sports meetings.
- Generated considerable membership and earned an annual budget of over $300 in under three months by presenting about Honors Athletics and orchestrating team-building activities at Honors Program networking events and town halls.
- Empowered students to go out of their comfort zone, foster meaningful relationships, and learn new sports.

Technical Skills

Languages/Frameworks: C++, HTML/CSS, Java, JavaScript, MATLAB, Node.js, Python, React, Spring, SQL
Technologies: Arduino, AWS (Certified Cloud Practitioner), Docker, Git, Jenkins, Linux, MongoDB, Spinnaker, Terraform