Daniel X. Acosta

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https://danielx1611.github.io/portfolio/

Summary

Computer Science student at Florida Institute of Technology (4.0 GPA) with experience in software engineering, web development, and algorithm optimization. Proficient in Java, Python, C, C#, and web technologies, with familiarity in Unity and Agile workflows. Skilled in performance optimization, cloud services, and scalable software design, with web development certifications.

Experience

Software Engineer, Third Shift Studios   May 2024 - Present
Lakewood, CA
- Refactored and extended an FSM-based AI system in Unity, enabling more robust state transitions and scalable behavior logic
- Managed development of cloud-based code via Unity Cloud Services
- Implemented shared-topology networking logic for decentralized state authority and peer-to-peer communication
- Collaborated across disciplines in an agile team to implement and iterate on new features

Purchasing Intern, Mack Technologies   May 2022 - Aug 2022
Melbourne, FL
- Organized purchase orders into daily reports on Microsoft Excel
- Created VBA Macros to automate and increase dept. productivity
- Performed cost change analyses to assess losses in revenue

Education

Florida Institute of Technology, Melbourne, FL. BS Computer Science, GPA: 4.0   Dec 2025

Major Courses: Formal Lang./Auto. Theory, Comp Arch. and Asm., Computer Networks, Intro Analysis of Algos., Intro Software Engineering, Data Structs/Algos., Database Systems

Boggle Player Project - Data Structures and Algorithms   Dec 2023
- Developed an optimized algorithm to efficiently traverse a 4x4 Boggle board, maximizing word scores
- Engineered a high-performance solution with minimal runtime and memory usage
- Achieved the highest efficiency and scoring metrics in the class out of ~30-40 students

Senior Design Project - Form Busters (Ongoing)   Jan 2025 - Present
- Developing a MERN stack web application to streamline FIT's student registration process
- Implementing form completion, tracking, and admin controls with a centralized dashboard
- Hosting on AWS with a focus on scalability, security, and cross-platform compatibility

Skills

Programming Languages: Java, Python, C, C#, HTML5, CSS, JavaScript, MERN stack, SQL
Tools & Technologies: AWS, Github, JIRA, Agile, Microsoft Office, Unity

Honors/Certifications
- Dean's List
- Responsive Web Design Certification (HTML / CSS)
- JavaScript Algorithms and Data Structures

Co-Curricular Activities
- FITSEC Cyber Security Club
- Varsity Golf Club