Daniel Gonzalez

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Objective

Dual-degree Computer Science and Music student at Florida State University, seeking a Software Engineering Internship. Experienced in PowerShell automation, endpoint security, and full-stack development.

EDUCATION

Florida State University   Tallahassee, FL
Bachelor of Arts in Computer Science and Music Performance   *Aug. 2023 – May 2027*

EXPERIENCE

Information Technology Intern   May 2025 – Present
GeekSI   *Tallahassee, FL*

- Engineered and deployed automated PowerShell scripts for system configuration, compliance validation, and log analysis, reducing manual workload across 50+ endpoints.
- Designed and maintained Intune policies for Windows Firewall, ensuring secure endpoint management aligned with CMMC and ISO standards.
- Authored comprehensive documentation for configuration baselines, deployment procedures, and audit readiness, improving maintainability and onboarding for future engineers.

Full-Stack Application Development Course   Aug. 2025 – Dec 2025
Florida State University   *Tallahassee, FL*

- Designed and developed scalable full-stack applications using C#, .NET, MAUI, WebAPI, and Entity Framework
- Applied object-oriented programming, debugging, and troubleshooting techniques to create and enhance moderately sized .NET applications.
- Gained hands-on experience with refactoring exercises, addressing architectural debt and implementing common coding and design patterns.

PROJECTS

Telemetry Decoder / *C++ 17, Bash*   *Oct. 2025 – Nov. 2025*

- Developed a C++17 telemetry decoder for UAV flight data with CRC-8 validation and binary packet parsing for aerospace applications.
- Engineered modular components (CRC engine, parser, CSV logger) using object-oriented design, ensuring testability and scalability across embedded or data-driven systems.
- Implemented robust I/O and error handling for batch packet processing, achieving 100% data accuracy across unit tests and CSV exports.

PyChat Server / *Python, Socket Programming, Multithreading*   *Oct. 2025 – Present*

- Designed and implemented a multi-client chat server using Python sockets and threads, supporting user authentication, private messaging, and room-based communication.
- Integrated JSON-based persistence, thread-safe concurrency control, and fault-tolerant socket handling to ensure reliable multiuser communication.
- Built a modular networking system with clean command parsing and robust error handling, demonstrating strong understanding of concurrent programming and network communication.

MentalApp Journal / *Java, Spring Boot, React, MySQL*   *Aug. 2025 – Present*

- Developing a full-stack web application with Spring Boot (REST API) and React frontend. Implementing authentication, mood-tracking dashboard, and AI chatbot.
- Collaborating with my co-developer, mastering fundamental software version control concepts using Git.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, HTML/CSS
Frameworks: Spring, .NET/MAUI, Flask, React, Node.js
Developer Tools: Git, GitHub, AWS, Jira, Visual Studio, IntelliJ
Extracurriculars: Principal Clarinet of the University Philharmonia Orchestra & University Wind Ensemble