Daniel Ibarra

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EDUCATION

Florida International University — Miami, FL
Bachelor of Science in Computer Science, Minor in Communications — *Expected Fall 2027*

- **GPA:** 3.2/4.0 | **Awards:** Bright Futures Medallion Scholarship
- **Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Database Management, Machine Learning, Software Testing, Advanced Public Speaking, Bus. and Prof. Communications

CERTIFICATIONS

AWS Academy Graduate: Cloud Foundations | *AWS Academy* — Sep. 2026
Java Programming II MOOC | *University of Helsinki* — Apr. 2024
Blockchain and Cryptocurrencies: Applications | *FIU* — May 2023
Blockchain and Cryptocurrencies: Technical Principles | *FIU* — Dec. 2022

SKILLS

Languages & Frameworks: Java, SQL, JavaScript, HTML/CSS, Spring Boot
Tools, Databases & Cloud: Git, GitHub, Figma, PostgreSQL, H2, Heroku, AWS
Backend & APIs: REST APIs, HTTP/HTTPS, Cookie/Session Auth, LLM Integration (Claude, Gemini, Grok)
Professional: Communication, Leadership, Teamwork, Initiative, Client Relations, Safety Compliance, Customer Service

PROJECTS

Aviary | *Java 21, Spring Boot, Spring Security, PostgreSQL, GitHub Actions* — Live | GitHub

- Built **REST APIs** in Spring Boot to create, update, reorder, and delete maintenance items and flight logs
- Built an aircraft maintenance tracker by designing a **9-table PostgreSQL schema**, flagging service due dates
- Secured accounts by adding Spring Security, BCrypt, CSRF, and ownership checks to **block cross-account access**
- Set up **GitHub Actions CI/CD**: feature branches run JUnit tests; merged PRs **deploy to Heroku**

Pit Stop | *Java 21, Spring Boot, React 19, PostgreSQL* — Live | GitHub | Capstone I

- Led a **5-person Scrum team** as **Product Owner** in Capstone I, running planning, reviews, and retrospectives
- Delivered vehicle sharing and maintenance alerts on a **25-endpoint REST API**, writing **43 of 78 commits**
- Secured the API with **Spring Security** and **JWT authentication**, building the login endpoint and security config
- Built **full-stack features** in **React** and Spring Boot, then made the app deployable to **Heroku**

Deadhead | *Java 21, Spring Boot, PostgreSQL, Anthropic API* — Live | GitHub

- Built a **REST API** that turns an uploaded calendar into the cheapest weekly plan using **Dijkstra's algorithm**
- Integrated the **Anthropic API** to parse calendar events into trips, with a fallback matching **85k airport codes**
- Saved each pilot's flights and settings in a **PostgreSQL database** so data persists across sessions

EXPERIENCE

Milam's Markets — Miami, FL
Food Service Worker — *Oct. 2022 - Mar. 2023*

- Served **dozens of customers per shift** at peak hours by tracking multiple simultaneous orders accurately
- Closed kitchen nightly by coordinating cleanup and food storage with a **5-person team**
- Helped train **new hires** on taking orders, kitchen stations, and nightly closing procedures

Riviera Country Club of Coral Gables — Coral Gables, FL
Lifeguard — *Aug. 2020 - Aug. 2022*

- Protected swimmers at a private club pool by enforcing safety protocol as a **certified CPR/AED rescuer**
- Assisted **dozens of members and guests** across **hundreds of interactions** by resolving requests promptly
- Trained **new lifeguards** on the guard rotation, radio protocol, towel service, and **guest relations**

EXTRACURRICULARS

FIU OURS *Undergraduate Research Scholar* | **Systems Research Laboratory (SyLab)** — Fall 2026
Ignite *Student Mentor* | **INIT** *Member* | **AWS Student Builders** *Member*
ShellHacks 2025 | *Hackathon Participant, 36-hour build with a 4-person team* — Sep. 2025