

KEVIN J. FERRER

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EDUCATION

B.S. in Computer Science

June 2022 – December 2026

Florida International University (FIU); Miami, FL

GPA: 3.5

- Led a team of 4 students to design, develop, and deploy a fully functional website.
- Directed team in two Shell Hack events, displaying problem-solving skills and a passion for hands-on software development.

PROFESSIONAL EXPERIENCE

Geographic Information Intern (GIS)

September 2024 – December 2024

City of Coral Gables; Coral Gables, FL

- Led a team of 3 to implement real-time phone call transcription scripts in Java, reducing troubleshooting time by 30% for non-native English-speaking employees and enhancing service quality.
- Resolved 50+ support tickets by troubleshooting hardware/software issues, minimizing disruptions, and improving efficiency for county workers.

Technology Education Volunteer

June 2019 – August 2019

Jack David Gordon Elementary School; Miami, FL

- Delivered engaging presentations on importance of technology to 20-40 elementary school students, fostering an early interest in STEM fields.
- Facilitated hands-on activities and workshops to enhance students' tech literacy, promoting practical understanding and application of technological concepts.

INDEPENDENT PROJECTS

Event Manager (Java Language) | Miami, FL

July 2024 – September 2024

- Developed a GUI-based event management system using JavaFX, enabling over 20 users to create, register for, and monitor events through a streamlined interface.
- Optimized registration workflows, reducing user registration time by 30% through an intuitive interface and improved event-handling logic.

Rail Cipher Encryption/Decryption Program (C Language) | Miami, FL

August 2024 – October 2024

- Designed a secure rail cipher encryption and decryption tool in C, supporting customizable key lengths for diverse text transformations.
- Enhanced memory efficiency to handle inputs of up to 5,000 characters without performance degradation.

SKILLS

- **Programming Languages:** Java, C, SQL
- **Tools & Technologies:** Git/GitHub, JavaFX, SQLite, MySQL
- **Operating Systems:** Linux, Windows
- **Software Development:** Agile methodologies, Software Development Life Cycle (SDLC)
- **Technical Concepts:** Object-Oriented Programming (OOP), Data Structures (e.g., linked lists, binary trees), Algorithms (e.g., quicksort, binary search), Debugging & Testing (GNU)
- **Soft Skills:** Team leadership, Communication, Problem-solving