# KEVIN J. FERRER

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## OVERVIEW

**Software Engineer** with expertise in Java, HTML, CSS, and experience in C. Strong communicator and team player with a for passion for solving complex problems and developing innovative solutions. Skilled in Git/GitHub for version control and project management, with hands-on experience in software development and UX design.

## PROFESSIONAL EXPERIENCE

**Geographic Information Intern (GIS)**                                                      September 2024 - Present
*City of Coral Gables*; Coral Gables, FL
- Configured and maintained devices for county-wide deployment, ensuring full functionality and reliability across various departments, contributing to seamless operations in fieldwork and data collection.
- Collected and updated geographic map data using GIS software, contributing to accurate and up-to-date datasets.
- Organized, prioritized, and resolved support tickets by diagnosing and troubleshooting hardware and software issues for county workers, providing technical assistance to minimize disruptions in daily tasks and improving efficiency.

**Technology Education Volunteer**                                                      June 2019 - August 2019
*Jack David Gordon Elementary School*; Miami, FL
- Developed and 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.
- Presented lessons in entertaining and captivating formats to ensure lessons were both enjoyable and memorable.

## EDUCATION

**B.S. in Computer Science**                                                      June 2022 - July 2026
Florida International University (FIU); Miami, FL
- Consecutive Dean's List recipient, recognized for maintaining academic excellence throughout multiple semesters.
- Directed team in coding competitions and hackathons, showcasing problem-solving skills and a passion for hands-on software development.
- Applied independent research on UX design to create intuitive, user-centered interfaces enhancing user engagement and improving website navigation efficiency.

## SKILLS

- Proficient in Java and HTML/CSS programming.
- Familiarity with software development lifecycle.
- Working knowledge of C programming.
- Knowledge of Linux Environment.
- Effective teamwork and communication.
- Git/GitHub experience.

## RELEVANT TECHNICAL COURSEWORK

- Data Structures
- Software Engineering
- Discrete Structures
- Computer Architecture
- Programming 1
- Calculus 1
- Systems Programming
- Programming 2
- Calculus 2

## PROJECTS

**Website Portfolio** | Miami, FL                                                      January 2024 - Present
- Designed and developed a personal website portfolio using HTML5 for structure and CSS to style buttons, layout, and overall user interface.
- Conducted a heuristic website evaluation to understand user interactions and test changes to simplify its design.

**Movie Room Management Software** | Miami, FL                                        October 2023 - December 2023
- Cooperated with a team to develop a Java based movie room management system featuring seat and status displays, income statistics, and a method for purchasing tickets.
- Established version control with GitHub for keeping track of progress and backups of project.