JOHN CORBACHO

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https://johncorbacho.vercel.app/

EDUCATION

Florida International University; Miami, Fl   **Expected Graduation Spring 2026**
GPA 3.9
Major: Computer Science BS,
Minor: Mathematical Science
Relevant Courses: Database, Data Structures, Computer Architecture, Artificial Intelligence, Google tech exchange

SKILLS

Languages: Java, JavaScript, Typescripts, Python, C/C++, C#, SQL, HTML, CSS
Relevant Tools: Git, Visual Studio, IntelliJ, React, Swift, Spring, MAC, IOS, Linux, Windows, MongoDB
Soft Skills: Bilingual, Extroverted, Teamwork, Leadership, Problem-Solving, Adaptability, Critical Thinking

PROJECTS

Shell Hacks Budgeting website | Miami,FL
- Developed a React-based web app that automates budgeting by dynamically calculating financial plans based on user income, using JavaScript for business logic and a responsive UI, integrating real-time data visualization for financial insights.
- Worked collaboratively with a team to design a mobile-friendly interface using React Hooks and **CSS**, optimizing front-end performance and improving the overall runtime by 25%.

React Personal-Portfolio | Miami,FL
- Developed a personal portfolio website from the ground up, utilizing HTML for the structure and CSS for the design, resulting in a visually appealing and user-friendly online presence.
- Implemented responsive design techniques to ensure the portfolio website is fully optimized and accessible across various devices and screen sizes, enhancing the user experience.

Flappy Bird | Miami,FL
- Re-engineered the classic Flappy Bird game by integrating custom graphics and incorporating math problem challenges, enhancing the game's educational value while maintaining its engaging gameplay.
- Developed the game using Unity for 2D world design and Maya for custom key mappings, creating a seamless and interactive user experience with visually appealing environments and intuitive controls.

Area by Income Calculator | Miami,FL
- Developed a web application that analyzed user income data to recommend optimal living areas, leveraging data-driven algorithms to provide personalized, actionable insights for users about Miami Dade's 13 districts.
- Utilized HTML, CSS, and JavaScript to develop responsive web interfaces, enhancing user experience and ensuring compatibility. Collaborated with a team of 3 to integrate dynamic content and optimize performance.

Canary AI language translator | Miami,FL
- Developed an AI-driven language translation platform, integrating natural language processing models to provide accurate, real-time translations across 50+ languages.
- Integrated a speech-to-text API to enable seamless voice input functionality, enhancing user accessibility and interaction. Enhanced global accessibility for users with a focus on scalability and speed.

Skill-Hearth personal leaning WebApp | Miami,FL   **Current**
- **Co-leading** the development of a comprehensive learning platform that uses react and Tailwind CSS to create. Visually appealing and user-friendly interface. Using MongoDB as the database and Jscript as the backend.
- The objective of the site it to connect individuals with diverse skills, enabling users to input the skill they want to learn and be matched with others who can teach them.

EXPERIENCE

Teacher Assistant   **July 2023 - Present**
Florida International University; FL
- Facilitated skill development in coding, computer usage, data structures, and math problem-solving for groups of over 30 college students.
- Created and delivered engaging lessons. Enabled students to grasp fundamental data-structures and calculus concepts.