

JOHN CORBACHO

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EDUCATION

Florida International University

Expected Graduation Spring 2026

BS Computer Science, Mathematical Science minor, 3.9 GPA, Dean's List

Relevant Courses: Database Management Systems, Data Structures, Computer Architecture, Artificial Intelligence

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C/C++, C#, SQL, HTML, CSS

Frameworks and Tools: Git, Visual Studio, IntelliJ, React, Swift, Spring, MacOS, iOS, Linux, Windows, MongoDB

EXPERIENCE

Teacher Assistant

April 2024 - 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. Mentored students in Java programming, debugging techniques and algorithm optimization
- Created and delivered engaging lessons. Enabled students to grasp fundamental data-structures and calculus concepts.

Front-Desk Assistant

July 2023 - April 2024

Ocaquatics Swimming school; FL

- Provided excellent customer service by assisting parents and children with class scheduling, inquiries, and facility information at the number one swimming school in Miami.
- Maintained a welcoming and organized front desk, ensuring smooth communication between instructors, parents, and students while managing records and class transitions.

PROJECTS

Shell Hacks Budgeting website

- 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

- 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.

Area by Income Calculator

- 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

- 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 learning WebApp

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 **JavaScript** as the backend.
- The objective of the site is 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.

EXTRACURRICULAR

Google Tech Exchange | Computer Science, Software Engineering, and Professional Development Program.

Code Path | Technical Interview Prep, Internship Connection Program, Workday x CodePath Cohort.