JOHN CORBACHO

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EDUCATION *Florida International University*

BS Computer Science, Mathematical Science Minor, 3.9 GPA, Dean's List	**December 2025**
MS Data Science & Artificial Intelligence	**December 2026**

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

Google Tech Exchange Program, Spring 2025
Coursework: Applied Data Structures, Product Management, Software Engineering

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C/C++, C#, SQL, HTML, CSS
Frameworks and Tools: Git, Vercel, IntelliJ, React, Swift, Spring, Streamlit, MongoDB, Vite, BigQuery, Node.js

EXPERIENCE

Figarelli House Corp   **July 2025 – Present**
Software Development Intern
• Developed and maintained cross-platform mobile applications using **Java**, **React Native**, and **Android Studio**, implementing responsive, accessible user interfaces. Integrated **PostgreSQL** for dynamic data storage and ensured smooth app performance across devices.
• Collaborated closely with engineering and design teams in a fast-paced **agile** environment to deliver robust mobile solutions. Participated in sprint planning, feature development, code reviews, QA testing, and deployment pipelines. Led debugging efforts, refined app functionality based on user feedback and contributed to long-term maintainability and scalability of the mobile codebase.

RedPeak Corp   **April 2025 – June 2025**
Full-Stack Software engineering Intern
- Developed and maintained a full-stack AI-powered book generation platform, enabling users to create, customize, and preview storybooks through an intuitive multi-step interface. Utilized **React**, **TypeScript**, and **Tailwind CSS** to build responsive, accessible, and visually consistent user experiences across all workflow steps.
- Collaborated with cross-functional teams to develop **AI-driven** content generation features and backend services using **Flask**, ensuring seamless API integrations and scalable performance. Led efforts to unify design language, optimize user flows, and contributed to agile development, code reviews, and CI/CD workflows to deliver production-ready features.

LIVE4LIFE   **January 2025 – April 2025**
Software Engineering Volunteer
- Engineered scalable and reusable UI components leveraging **React**, **TypeScript**, and **Styled Components**, accelerating interface development cycles by 40% while maintaining design system integrity across the application. Collaborated closely with product stakeholders to ensure seamless integration with evolving design specs and usability standards.
- Contributed to the development of a real estate platform architected to streamline off-campus housing discovery for students, supporting a pre-launch startup with a projected **10,000+ user** base. Operated within an **agile**, milestone-driven roadmap to deliver production-grade features while balancing performance, scalability, and launch readiness.

PROJECTS

FitGram (Full Stack) | Streamlit, Google's BigQuery, VertexAI
- Created a community-based workout tracking platform leveraging **Streamlit** to implement 4+ custom pages.
- Architected and maintained a comprehensive database system using **Google BigQuery**, consisting of 6 interconnected tables that efficiently managed workout metrics and user profile data.
- Integrated **Google's VertexAI** to develop an intelligent feedback system to give personalized recommendations based on 6+ performance metrics on previous user workouts.

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.

EXTRACURRICULAR

Code Path | Technical Interview Prep 2, Internship Connection Program, Workday x CodePath Cohort.
Teaching Assistant at FIU | Mentored 30+ students in Java programming, debugging, and algorithm design.
ShellHacks | Built a React budgeting app with dynamic income-based planning, real-time data visualization**.**