

Isabella Correa

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EDUCATION

B.S. in Computer Science

May 2024 - December 2026

Florida International University (FIU) Miami, FL

GPA: 3.7 | *Dean's List: Fall 2024, Spring 2025*

Relevant Courses: Data Structures, Systems Programming, Software Engineering I, Computer Architecture, Net-Centric Computing

B.A. in Psychology

August 2016 - December 2019

Florida International University (FIU) Miami, FL

GPA: 3.6 | *Dean's List: Spring 2017, Fall 2017, Spring 2018, Fall 2019*

SKILLS

Programming Languages: Java, C, C++, Javascript, TypeScript, HTML, CSS, Python, Rust, Go

Frameworks/Libraries: React, Node.js, Express.js, JavaFX, TailwindCSS, PIL, Pandas, Numpy

Developer Tools: GitHub, Docker, Maven, Vite, Vue, Firebase, WebGPU

PERSONAL PROJECTS - <https://izy138-portfolio.vercel.app/>

Intelligent Notes | Demo: [Intelligent Notes Demo](#)

- Developed a Note taking app using Java, Maven, and JavaFX, that creates AI summaries of notes and folders.
- Includes editing and search functionalities, AI options, and note organization.

Particle Physics Simulator | izy138.github.io/ParticleSim

- Using Javascript, HTML, CSS, and WebGPU API for better performance.
- Implemented a render pipeline for the particle physics simulator.
- Using 4 matrices for strength and radius collision forces. Allows the user to change the size and number of particle types. Allows mouse interaction to attract and repel particles.

Relational Database Engine in Golang

- Database written in Go.

Kanban Board | izy138-kanban.vercel.app

- Hosted with Express using Node.js, Javascript, HTML and CSS.
- Developed to keep track of project and assignment progress. Using features for priority, deadlines, and checklists.

Chat App

- Developed a chat app and landing page which includes firebase auth and storage. Includes a friends/ group list with different chats.
- Implemented with Node.js, TypeScript, React, Vite, TailwindCSS.

WORK EXPERIENCE

Front End Intern | Red Peak Corp | red-peak.ai

May 2025 - Present

- Translating Figma designs into responsive React components using TypeScript and TailwindCSS.
- Developing and refining page and loading animations, UI elements, and overall site formatting.
- Maintaining Python scripts to support AI-based content to improve book generation prompts.

Teaching Assistant: Software Engineering I | FIU

Upcoming: Fall 2025

- Coordinating with Professor Abdul Rehman for lectures and exams.

Teaching Assistant: Chemistry I and II | FIU

Spring / Summer 2020

- Coordinated with professor Dr. Delgado for Chemistry 1 and 2 lectures. Mentored over 300 Chemistry students across 2 semesters. Assisted the professor with lesson planning, homework planning, and helped students with in-class assignments.