VERONICA VARGAS

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EDUCATION

University of Central Florida
College of Engineering and Computer Science

Orlando, Florida
January 2023 - July 2025 (Expected)

Minor in Mathematics | GPA: 3.4
Passed UCF CS Foundation Exam (January 2024)
Related Coursework: Object Oriented Programming, Processes for Object-Oriented Software Development, Computer Logic and Organization

SKILLS

Programming Languages:
- C, C#, Java

Web Development:
- HTML/CSS, React, TypeScript, JavaScript, Node.js, PHP, MySQL, MongoDB

Game Development:
- C#, Unity Engine, Lua

Tools:
- Visual Studio Code, Git, Postman

Languages:
- English, Spanish, Portuguese

PROJECTS

TTYL Contact Manager | *FULL STACK* | *Frontend*: Contact manager that makes use of basic CRUD operations. Users can securely log in and access and manage an online contact book. Development involved HTML/CSS to design web app and JavaScript to write functions and connect APIs.

GamePlan | *MERN STACK* | *Frontend*: A tournament manager that allows user to create, join, and manage their sports tournaments. Users can create brackets and advance players in their created tournaments. Frontend development involved creating the web application using React, CSS, and TypeScript, as well as connecting all the APIs to ensure functionality.

Cretastrophe | *DEMO* | *Award* | *Developer*: Designed and implemented UI and programmed patrol enemy behavior for this award-winning 2D puzzle platformer. Developed gameplay mechanics, including collectible tracking, door unlocking logic, and sound integration. Collaborated with a team to create a polished final product, earning the "Best Game in Show" award for the semester.

Personal Portfolio | *Frontend*: Designed and developed a responsive portfolio website to showcase experience, skills, and projects. Built using React for a dynamic user experience and styled with CSS for a modern, professional design. Features interactive components, smooth animations, and optimized performance for seamless navigation.

EXPERIENCE

~~Orlando, Florida~~

Girls Who Code UCF
Intro to C & CS1 Tutor

August 2024 - Present

- Instructed students in fundamental programming concepts.
- Facilitated code review sessions to tutor students and guided them explaining how parts of code worked.
- Enhanced technical communication skills by simplifying complex concepts.