

# VERONICA VARGAS

Orlando, FL | [veronicavargas1742@gmail.com](mailto:veronicavargas1742@gmail.com) | (386)-333-8066 | [LinkedIn](#) | [GitHub](#) | [veronica-vargas.com](https://veronica-vargas.com)

## EDUCATION

### University of Central Florida

College of Engineering and Computer Science

Orlando, Florida

January 2023 - December 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

**Languages:** C, C#, Python, Java, HTML/CSS, JavaScript, TypeScript, SQL, PHP

**Frameworks/Tools:** React, Node.js, MySQL, Visual Studio Code, Git, GitHub, Postman

**Spoken Languages:** English, Spanish, Portuguese

## PROJECTS

### PremierPredictor | *Python, BeautifulSoup, pandas, matplotlib*

- Built a data scraping tool using BeautifulSoup to gather real-time Premier League stats from Sky Sports.
- Visualized team performance with scatter plots using pandas and matplotlib, analyzing "Goals For" and "Goals Against" data.
- Implemented a Monte Carlo simulation (10,000 iterations) to predict league standings based on win, draw, and loss probabilities.
- Automated the export of team statistics into an Excel spreadsheet for further analysis.

### Cretastrophe | *C#, Unity Engine, UI Design, git*

- Collaborated with a team to deliver a polished final product, resulting in the game earning the "Best Game in Show" award for the semester.
- Developed core gameplay mechanics using C#, including collectible tracking, door unlocking logic, and sound integration.
- Designed and implemented the user interface (UI) to enhance the player experience.
- Programmed patrol enemy behavior to create dynamic and challenging gameplay.

### GamePlan | *MERN STACK, React, TypeScript, Node.js, git*

- Developed a web application alongside a team using React, CSS, and TypeScript to allow users to create, join, and manage sports tournaments.
- Connected and integrated APIs to ensure seamless functionality between the frontend and backend systems.
- Focused on creating an intuitive and user-friendly interface to enhance user experience and engagement.

### TTYL Contact Manager | *FULL STACK, HTML, CSS, JavaScript, PHP, git*

- Built a web application using HTML, CSS, and JavaScript, enabling users to securely log in and manage an online contact book.
- Implemented CRUD operations for creating, reading, updating, and deleting contact entries.
- Connected APIs to ensure functionality and wrote custom APIs in PHP to accommodate additional features.

## EXPERIENCE

### Girls Who Code UCF

Intro to C & CS1 Tutor

Orlando, Florida

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.