

Hector Ramos

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EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Computer Science, GPA: 3.8

May 2022 – Expected Dec. 2026

Relevant Courses

Data Structures and Algorithms I & II, Object-Oriented Programming, Systems Software, Processes of Object-Oriented Software Development, Machine Learning

EXPERIENCE

Publix Super Markets

April 2021 – Dec. 2023

Front Service Clerk

Eustis, FL

- Collaborated with a team to manage daily operations, ensuring efficient workflow and meeting customer needs
- Identified and resolved issues in real-time, maintaining high levels of customer satisfaction
- Managed multiple tasks in a fast-paced environment, demonstrating strong time management and attention to detail
- Communicated effectively with customers and team members to ensure smooth operation and clear information exchange

PROJECTS

Contact Manager | *PHP, HTML/CSS, JavaScript, MySQL, Apache*

- Collaborated with a team to develop a robust contact management system using a LAMP stack
- Led the design and implementation of RESTful APIs using PHP
- Integrated MySQL for database management, maintaining data integrity and optimizing query performance
- Deployed the application on an Apache server, with a focus on security and scalability

StudyFlash | *PHP, HTML/CSS, JavaScript, Apache*

- Developed a web application that allows users to upload PDF files and automatically generate flashcards using OpenAI API
- Implemented seamless file handling, text extraction, and AI-powered flashcard generation to enhance learning efficiency
- Integrated user-friendly UI for easy PDF uploads and flashcard reviews, improving user experience

Auto Body Shop Website | *HTML, CSS, JavaScript, Git*

- Developed a professional website for a local auto body shop, featuring a home page, gallery, contact information, and responsive design
- Implemented a user-friendly layout and incorporated modern web design principles to enhance customer engagement
- Ensured cross-browser compatibility and mobile responsiveness for optimal user experience
- Integrated SEO best practices, enhancing search engine visibility and ranking

PL/0 Compiler and Virtual Machine | *C, Git*

- Developed a lexicographical scanner to efficiently parse source code and generate tokens
- Implemented a recursive descent parser to convert tokens into Assembly code
- Engineered a virtual machine to execute the generated Assembly code seamlessly
- Designed robust error-handling mechanisms for syntax validation and RegEx processing

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (MySQL), JavaScript, HTML/CSS, PHP

Frameworks: React, Node.js, Bootstrap

Developer Tools: Git, VS Code, PyCharm, IntelliJ, CLion, Postman

Libraries: pandas, NumPy, Matplotlib