

JAVIER VARGAS

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Portfolio: <https://www.jvprojects.xyz> Github: <https://github.com/Javi-Vargas>

Bachelor of Science in Computer Engineering

University of Central Florida

WORK EXPERIENCE

Associate Software Engineer – SkillStorm Apprenticeship June 2024

- Completed 1 month of training to obtain the “Oracle Java Foundations” Certification.
- Developed a SpringBoot, MySQL, Angular app to manage Company/Office/Employee relations.
- Experience with MVC, Maven, JUnit testing and API testing/documentation (Postman/Swagger)

RESEARCH & PROJECTS

IM(s) Keeping Score – Embedded Software Engineer Jan 2023 – July 2023

- Programmed ESP32 and RaspPi to detect made baskets using ToF sensors and camera vision.
- Used ML and preloaded datasets to develop software to recognize players.
- Created a SQLite DB to log the basketball stats recorded by the camera. (CpE)

GAINZBOY Mobile App – Frontend Developer May 2022 – Aug 2022

- Developed a workout tracking app using MERN Stack and React framework (iOS & Android)
- Front-end app development and wrote API connections to the UI using JavaScript/CSS.

Contact Manager Website – Backend Developer May 2022 – Aug 2022

- Created API endpoints in PHP to work with the frontend in this LAMP Stack Website.
- Learned to format/manage the DB and test APIs locally using JSON, ARC, and Swagger.

Angular Weather Application Mar 2024

- Used Angular & Typescript, and HTML/CSS to display the weather from any user-specified city.
- Retrieved weather data from OpenWeather – RapidAPI, interpreting JSON responses.

Range Finder Circuit – Electrical Engineer May 2022 – Aug 2022

- Programmed HC-S04 sensors on MSP430 TI to display ranges it detects objects at.
- Used Eagle to design the PCB to house all the components and perform the same.

Inventory Web App Nov 2022 – Dec 2022

- Java 3-Tier Java Web Based application using integrated Servlets, JSP, and HTML techniques.
- Used Apache/Tomcat to host and access servers on Eclipse IDE. Keep a MySQL DB with JDBC.

Tower Defense Game – Java Developer Oct 2023 – Nov 2023

- Standard TD game implementing: game engine logic, Swing UI libraries, & OOP principles

Spotify Discover Weekly Playlist – Python Develop Feb 2024

- Used Spotify API to automate create/populate a playlist, weekly, using recommended songs.

Background Change Extension Aug 2022

- Created a browser extension in JavaScript/JSON. To select and change idle background of sites.

Certifications:

- Oracle Java Foundations Associate June 2024

TECHNICAL SKILLS

- Java, Python, JavaScript, TypeScript, SQL, C, C#, PHP, HTML, Git/Version Control, Maven
- React, NextJs, Flutter, Angular, API Documentation, CRON, Linux, JUnit, JSON