

# Julian E. Vara

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## EDUCATION

Citrus Valley High School, Redlands, CA GPA: 3.78/4.00

**June 2022**

Riverside City College, Riverside, CA A.S. in Math and Science GPA: 3.42/4.00

**June 2024**

- Dean's Honor List
- Related Coursework: Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Object-Oriented Programming, Assembly Programming, Discrete Structures, Advanced Objects, Calculus I, Calculus II, Physics Mechanics

Junior, California State University San Bernardino, Computer Science Major

**August 2024**

## CERTIFICATIONS

Codecademy C++

**January 2024**

## EXPERIENCE

**Website Developer** | Wix Studio, HTML, CSS

**January 2024**

- Develop a website for a small business owner using Wix Studio
- Created seamless design for the website and focused on the responsive design of the site
- Focused on the SEO to help site traffic and increase the business for the owner

**Summer School Teacher** | STEM, Music

**June 2023**

- Trained students on Arduino programming and soldering components
- Taught students proper techniques to play drums and also orchestrated a performance with the students

## PROJECTS

**Street Light** | Arm Assembly, BreadBoard, Electric Circuits, Raspberry Pi 3, Linux

**December 2023**

- Developed a program using Arm Assembly Language to use LED lights on a BreadBoard to simulate a Street light and walk light
- Utilized wiringpi to connect the Arm Assembly Language code to actual BreadBoard using a T-Cobbler and a ribbon cable
- Program executes an infinite while loop that reads a register value that contains user input of button ON/OFF state, it then executes sub routine of transitioning ON/OFF of three LEDs

**Tic Tac Toe** | C++, Arrays, Functional Programming, Netbeans

**January 2024**

- Developed and created code for the tic tac toe game in the command line using C++
- Utilizes a char array to get the input from the user and replace that element which the user choice

## TECHNICAL SKILLS

**Programming:** HTML/CSS, C++, C, Arm Assembly Language, Python, Java

**Tools:** NetBeans, Vim, Github, Git, Vscode

**Technical:** Google Suite, Microsoft Office, etc.

**Mathematics:** Pre-Calculus, Calculus I, Calculus II, Physics Mechanics, Discrete Mathematics

**Soft Skills:** Leader, Team Collaborator, Communicator, Adaptable, Creative

## REFERENCES

Eric Perez, Global Supply Manager, TESLA CA 626-327-2434

Michael Cantos, Senior Systems Engineer, Raytheon AZ 909-647-6016

Angel Osornio, Owner Angel's Complete Janitorial Services, CA 909-900-2292