

# Raphael Jara

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(385)-626-4152

RaphaelJara9@gmail.com

I am seeking an entry-level internship position to enhance my skills, knowledge, and practical experience while contributing to my company's objectives. Enthused to explore engineering culture.

## EDUCATION

WEBER STATE UNIVERSITY: B.S. ELECTRICAL ENGINEERING

EXPECTED AUGUST 2025

- GPA: 3.39

WEBER STATE UNIVERSITY: ASSOCIATE OF PRE-ENGINEERING

APRIL 2023

WEBER STATE UNIVERSITY: MINOR IN MATHEMATICS

EXPECTED AUGUST 2025

## ACTIVITIES

- IEEE Club Member 2024
- WSU First Generation Member 2019

## PROJECTS

- Designing an affordable railroad-crossing warning system implementing radar and magnetometer technology 2023
- Designed and implemented calculator with memory onto an FPGA in VHDL 2023
- Designed a matrix calculator in Python without NumPy 2022
- Made project proposal for a waste collection product using 3D software 2020

## SKILLS

- I am proficient in Python, C, C++, VHDL, and assembly programming languages
- Experience using oscilloscopes, high performance multimeters, and analyzing control systems
- Experience using 3-phase AC high-voltage power supplies, and calibrating network analyzers to simulate power design related situations
- Presenting and making documents using LaTeX
- Programming a Basys 3 FPGA using Vivado, 8051 microcontrollers and embedded systems programming using the Silicone Labs IDE
- Proficient in Git for group-based software projects and Microsoft software tools
- Fluent in Spanish

## WORK EXPERIENCE

ONLINE ASSOCIATE, Walmart Inc. (Part-Time)

534 N Harrisville Rd, Harrisville, UT 84404

May 2021 – CURRENT

Supervisor: Jacob Ricca, Number: +1 (385) 333-9203

- Collaborate with team members to manage inventory and support seamless online operations.

DEPARTMENT LEADER, Larry H. Miller's Megaplex. (Part-Time)

2351 Kiesel Ave Megaplex 13, Ogden, UT 84401

October 2019 - April 2020

- Coordinated with theatre staff to schedule shifts and foster teamwork for smooth daily operations.