



Fort Collins, CO 80524

720-441-8792

jacob.roberparra@gmail.com

jakeparra.com

TOOLS AND SKILLS

- Java, Python, C++, JavaScript, HTML5, CSS3
- MacOS, Windows, Linux
- React, MariaDB, Java Tools
- VS Code, GitHub, Eclipse IDE
- SQL, System Security
- Bash, PowerShell
- Scrum
- GIMP

- Excellent Communication
- Problem-Solving and Analytical Thinking
- Adaptability
- Time Management
- Collaboration
- Creativity
- Great Organizational Skills
- Great Attention to Detail

PROFESSIONAL SUMMARY

I am a junior full-stack developer who is passionate about design, implementation, and usability of software. I am seeking a position that allows me to utilize my skills with computers software, operating systems, coding, and problem solving in a collaborative environment while also expanding my skills for myself and my employer.

RELEVANT WORK EXPERIENCE

CELLg8 | Wellington, Colorado

January 2022 - Current

Quality Control Technician II

- Verified product compliance with specifications, retention samples, and material diagrams.
- Managed and organized files within the company server.
- Utilizing computer skills to revise, simplify, and accelerate day-to-day processes.
- Assisted supervisors with resolving quality control issues, tracking quality trends, and implementing improvement plans.
- Collected and analyzed laboratory testing data on raw materials and finished products.
- Worked closely with all departments to ensure files were properly documented with well-defined traceability.

Colorado State University Surplus Property | Fort Collins, Colorado

May 2021 - December 2021

Warehouse / IT Associate

- Kept warehouse records accurate with detailed logs of material movement via Colorado State's database
- Picked up, loaded, and unloaded university-bought items and staged products for sorting, recycling, and resale.
- Worked with the IT department to remove/install hardware, download operating systems, and fix hardware issues

EDUCATION

Bachelor of Science (B.S.) - Computer Science -- May 2024

Colorado State University, Fort Collins, CO

PROJECTS

Environment Sensing Virtual Plant

Along with 2 others, wrote a Python program that would be run on a RaspberryPi 3 which collected environmental input via connected humidity, temperature, and light input sensors with the goal of allow someone to test a location in or around their home to find out if the conditions were adequate for a real plant by first trying to grow a virtual one.

Research Project: The Effects of VR on Language Retention

Working with a small HCI research team, our experiments were designed to investigate whether foreign language retention is effected by learning through a virtual environment. We developed a VR playground through Unreal Engine which allowed users to manipulate objects and practice a foreign language. We also developed a flashcard program using React tools which allowed users to learn the same language through a different medium. Following the experiments, data was recorded, analyzed, and interpreted into a final research report.