Axel Mariano Garces
Software Engineer Professional

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Education
Colorado Mesa University, Grand Junction, CO
   Bachelor of Science, Computer Science
   Anticipated Graduation Date: 05/2023

Relevant Coursework
- Computer Architecture & Assembly Language
- Algorithms
- Data Structures
- Embedded Systems
- User Interface Design
- Operating Systems & Design
- UNIX Operating Systems
- Computer Security

Technical Skills
- **Programming Skills:** C++, C#, Python, Java, SWIFT, Savant Programming, Crestron Home, Control 4
- **Software & Tools:** Linux/Unix, VSCode, Rider, Android Studio Git, Savant Application Manager, Crestron Home, Eclipse, Arduino

Work Experience

Software Team Intern, Paragon Systems Integration, LLC, Aspen, CO, 6/2019 - Current
- Work on multi-million-dollar projects.
- Program fully automated systems, integration with Security, Lighting and Shades, Audio/Video.
- Work with senior developers to create our own custom drivers (devices), using IR command feedback.
- Closely work with IT department and get hardware configured for security and efficiency.
- Work with sales representatives to collaborate on software and hardware upgrades.

Lead Technician, Paragon Systems Integration, LLC, Aspen, CO, 6/2019 - Current
- Install, hook up, test and trouble shoot smart home systems and CISCO Network systems.
- Built custom hardware racks, where Audio & Video equipment lived. Preprogrammed racks, tested and delivered to jobs.
- Install lighting & shades, programmed and integrated with smart home systems.
- Install/programmed surveillance cameras, as well as door/gate access control.
- Developed relations with builders, architects, and clients to deliver the best smart home experience.

Low Voltage Infrastructure Lead, Paragon Systems Integration, LLC, Aspen, CO, 01/2019 - 06/2019
- Ran a crew of 2-5 workers
- Performed low voltage wiring for industrial, commercial and residential construction projects, including new construction, retrofits and remodels.
- Earned trust as well as a reputation for exceptional work in infrastructure wiring and structural problem solving.
- Gained experience in analyzing and following manuals, schematic diagrams, blueprints and other specifications.
- Consistently commended for team-player mind set and working with minimal supervision under tight deadlines resulting in the increase of company profit.

Projects / Portfolio
-Current

Laser Star Guide Embedded System – Local Client
- Work closely with client to develop a project where it can be used by schools.
- Worked with a team of colleagues to design and implement a project that can point to a constellation in the sky and give user information about itself.
- Worked with schools' mechanical engineering students to get specific motorized components.
- Work with 3D printing organization to develop a sophisticated and efficient design.

Colorado Mesa University – New School App
- Worked with a team of colleagues to design a new application for Colorado Mesa University students and staff.
- Focused on UID principles and design.
- Worked with students to develop the best solutions for their problems, as far as the old app worked.
- Worked with colleagues and advising professor to implement concept into a working prototype.
- Placed 4th in CMU Annual Student Showcase for best design and concept.

IP Tables
- Worked with classmates to develop and configure a Linux command line firewall that allows root users and administrators to manage incoming and outgoing traffic.

Society of Hispanic Professional Engineers CO Founder - <u>Vice President</u>
- Founded a SHPE chapter at Colorado Mesa University for students of color
- Created a constitution and laws with the goal to become nationally recognized
- Organize fundraising events, and local community volunteering

-January 2021
Raspberry Pi - Smart Home Implementation
- Implemented a single zone smart home system with single Raspberry Pi Processor, solely controlled IP.

Activities & Awards

- **Reisher Scholar Foundation** - Full ride scholarship to CMU, 2020-2022
- **Member** - Society of Hispanic Professional Engineers, 2019 - current
- **Dean's Honor List** - Honor list at CMC, 2019
- **Seal of Biliteracy** - Demonstrated fluency in Spanish and English.