Rodolfo Gonzalez Parra

3965 Kodiak Rd. NE, Rio Rancho, NM 87144 | 575.725.1290 | parrarudy3@icloud.com

EDUCATION

Central New Mexico Community College- Albuquerque, NM

Associate of **Computer Information Systems** concentration in Network Administration   **Granted December 2023**

3.5 GPA

Relevant Courses: Introduction to Competitive Robotics, IT Essentials Hardware, IT Essentials Software, Network Topology/Cisco Academy I, Internet of Things (IOT), Technical Communications, Linux Essentials, NET RTG & SW/Cisco Academy SEM II, ENT NET & Auto/CIS Acad SEM III, Fundamentals Network Security, Survey/Engineering Fields, AutoCAD, Python, C++ Programming, Network Essentials, Chemistry, Semiconductor apprentice

Math Level: College Algebra, Trigonometry, Pre-Calculus, Calculus I

Certificates:

CCNAv7: Introduction to Networks	Granted April 2022
Certificate of General Studies	Granted May 2022
Associate of Applied Science in Integrated Studies	Granted May 2022
CCNA: Switching, Routing, and Wireless Essentials	Granted August 2022

Portfolio Links:

LinkedIn   Hackster.io   Github

SKILLS

- Network Access Connectivity & Security Fundamentals
- IP Services, Connectivity, Subnetting & Routing, IPv4 and IPv6 Addressing
- AutoCAD, Graphic Design & 3D Printing.
- Knowledgeable in basic computer configurations, such as Dell, HP, & Mac Systems
- Experience in IT Essentials Hardware & Software
- Switching Protocols

- Differential Scanning Calorimeter Instrument Operator (DSC
- Raman Spectrometer Instrument Operator
- X-ray Absorption Spectrometer Instrument Operator
- Integrates Sunlight Spectrometer Instrument Operator (ISS)
- Robotic Engineering & Rapid Prototype Development
- Python, C++, Linux & MATLAB Coding

- Data Analytics
- Complex Schematic Diagram Drawings
- Integrates Circuit Fabrication
- Electrical equipment troubleshooting, repair, installation & maintenance.
- Semiconductor experience
- Implementing laboratory procedures increasing production and stoichiometric accuracy.
- Atomic Physics manipulations
- Worked in diversified team environment with multi-tasking.

RELEVANT ACADEMIC EXPERIENCE

Deep Dive IoT with BRIAN RASHAP (Former Intel Manager)   **October 2023 – December 2023**

CNM Ingenuity STEMulus Center

- Cumulative 400+ hours of software and hardware curriculum, rapid prototyping.
- Expertise developed in coding smart devices in C++.
- Deep understanding of electronic circuits, soldering, and complex software's.
- Access to state-of-the-art fabrication equipment, along with complex instrumental fabrication machinery.
- Comprehensive training encompasses factory and laboratory automations.
- Acquired skill sets for semiconductors and clean room operations.

Glass Physics Researcher/ Lead Researcher and Team Leader   **May 2023-August 2023**

University of Coe College- Cedar Rapids, Iowa

- Led a team of researchers in completing four extensive complex projects under Dr. Steve Feller's supervision.
- Implemented new laboratory procedures across all departments increasing production & stoichiometric accuracy.
- Conducted in-depth examinations and production of innovative glass compositions using various compounds.
- Assessed diverse glass properties, including density and conductivity.
- Operated advanced laboratory instruments, including furnaces and spectrometers.
- Utilized spreadsheet applications for data analysis and recording.
- Maintained meticulous research records.
- Contributed to research papers, presentations & publishing.
- Presented research findings at the Iowa Glass Conference.

Image Creation Developer Operations Team   **January 2023-May 2023**
Lockheed Martin- Remote
- Assisted with crucial responsibilities related to image management for both Cloud and On-prem environments.
- OS Image Development: actively participated in the development and troubleshooting of Windows and Linux OS images, gaining hands-on experience in image creation and fine-tuning.
- Participated in Configuration Discussions surrounding purpose-built OS configurations
- Acquired technical proficiency and solid understanding of scripting, TCP/IP networks, and virtualization environments, applying this knowledge to my tasks effectively.

Solar and Space Physics Researcher at the University of Boulder Colorado   May 2020-August 2020
- Conducted in-depth analysis of Hα line properties in sun-as-a-star observations to investigate temporal variations.
- Explored magnetic photospheric and chromospheric features on the Hα core-to-wing ratio at the 27-day rotational time-scale.
- Identified that sunspot area predominantly influenced Hα line shape, while faculae and filaments had minimal impact. These findings contribute to our understanding of chromospheric variability in solar-like stars.

ORGANIZATIONS

HackerSpace Club – Central New Mexico Community College   August 2023 - Present
- Contributed to the creation of competitive robots and the development of internet-connected devices.
- Engaged in practical skill sets such as laser engraving, 3D printing and gained hands-on experience in AWS robotic simulations.
- Played a key role in building cloud-based servers and networking systems while maintaining system operations.

STEM CORE   July 2022-Current
        Participant in STEM based program to advance into major preparation coursework, involving technology, science, engineering.

NASA MINDS   August 2022 – March 2023
- Contributed significantly to the development of autonomous robots aimed at cultivating chile peppers on Mars, a critical solution for future space missions' food requirements.
- Played a key role in designing and implementing cutting-edge plant-care technology within an innovative Martian-regolith-covered dome.

WORK EXPERIENCE

Customer Service Representative   February 2019 – March 2020
Safelite Auto Glass- Albuquerque, NM
- Professionally addressing incoming phone calls in both English and Spanish.
- Processed insurance claims, verified coverage, and scheduled appointments for auto glass services.
- Contribution to training new associates and operating in a fast-paced environment was part of the role's responsibilities.

Customer Representative   February 2017- July 2018
National Opinion Research Center (NORC)- Albuquerque, NM
- Responsible for screening and interviewing respondents over the phone.
- Conducted interviews with individuals from diverse backgrounds, both nationally and internationally.
- Utilized basic computer skills for communication and research.

REFERENCES

Brain Rashap - Ingenuity Consultant Coding & Former Intel Manager
        Email - brashap@cnm.edu
Nora Mendoza – Academic Affairs Program Manager of STEM Core
        Email - nmendoza7@cnm.edu
Dr. Steve Feller – Research Physicist of Glass Science
        Email - sfeller@coe.edu
Richard Pacheco – Lockheed Martin Full Stack Engineer
        Email - ripache@gmail.com , richard.w.pacheco@lmco.com