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Carolina Amber Perez

Ambitious and analytical professional with a background in healthcare and biomedical sciences, seeking to apply data analysis and problem-solving skills in a research, lab or analytical role to contribute to scientific advancements/work.

EDUCATION

University of Colorado, Boulder(Online) — *Accelerated Post Bacc Applied Computer Science*

Expected Graduation: Spring 2026

- Currently enrolled in a post-baccalaureate program focused on applied computer science, emphasizing data analysis, programming, and computational problem-solving.
- Coursework includes advanced topics in data structures, algorithms, machine learning, and database management, providing a solid foundation for analyzing complex datasets in a biotech context.
- Engaged in hands-on projects applying programming languages such as Python and C++ to real-world scenarios, enhancing skills in data visualization, statistical analysis, and communication.

Colorado State University, Fort Collins — *Bachelors of Science Biomedical Sciences (Research and Statistics Concentration)*

- Developed strong analytical and interpersonal communication skills through coursework in Statistics, Calculus I-III, MATLAB, and Python.
- Gained practical experience in laboratory settings through mentor-guided experiments, with a focus on accuracy and attention to detail in data collection.

EXTRACURRICULAR ACTIVITIES

- Member of the Colorado State University Dance Team (2 years)
- Member of Pi Beta Phi Sorority Gamma Chapter at CSU
- Work-Study Recipient as a tutor through AAC programing (2020-2021)
- Learning Assistant for Underrepresented Minorities (Fall 2019-Spring 2020)

TECHNICAL SKILLS

- **Programming Languages:** Python, MATLAB, C++
- **Data Analysis Tools:** Excel, statistical software, SQL
- **Research Techniques:** Basic lab techniques, patient data management, medical data analysis
- **Healthcare Experience:** Experience with EPIC, EMR, and patient data entry, ensuring accuracy and quality in patient documentation and communication.

WORK EXPERIENCE

Student Assistant – Data Management Team

University of Colorado– Boulder, CO

2025 – Present

- Collaborated with a team of data managers and developers to support the organization and maintenance of data systems, ensuring efficient data flow and integrity.
- Utilized Jira for tracking tasks, bugs, and project progress, contributing to streamlined communication and timely resolution of issues.
- Participated in code reviews, providing feedback on coding practices, adherence to standards, and identifying areas for improvement.
- Assisted in debugging software and data issues, applying problem-solving skills to identify and resolve technical challenges, improving system stability.
- Supported the creation and updating of documentation for data management processes and best practices

Medical Assistant/Call Center/Laboratory AssistantParker CO/Fort Collins CO — Miramont Wellness Center (Family Medicine)

Jan 2022-2025

- Assisted in a CLIA-certified laboratory, performing routine quality control (QC) procedures and precise pipetting techniques to support accurate diagnostic testing and data reliability.
- Utilized strong analytical and interpersonal skills to assess patient needs, ensuring that the correct procedures were followed, contributing to quality patient care and patient safety.
- Demonstrated attention to detail in patient data entry and scheduling, ensuring accuracy and efficient service delivery.
- Effectively communicated with healthcare providers, supervisors, and patients, ensuring seamless clinic operations and fostering a collaborative work environment.
- Trained in multiple areas (Laboratory, Call Center, Medical Assisting), demonstrating adaptability and a commitment to team success.
- Led efforts in quality patient care, improving overall patient satisfaction scores by 15% based on online reviews.

UCHealth Summer Immersion Program, Loveland CO— UCHealth Medical Center of the Rockies

June 2020 - August 2020

- Engaged in an immersive experience across various medical departments (CICU, SICU, PEDS, NICU), gaining insights into patient care and clinical workflows.
- Participated in weekly presentations and mentoring sessions with healthcare professionals, enhancing understanding of medical device applications and improvements in patient outcomes.
- Completed a DaVinci Programming Intensive, acquiring valuable skills in programming and data analysis relevant to bioengineering and medical device innovation.
- Collaborated on projects aimed at assessing and improving the functionality of medical devices, contributing to a data-driven approach in bioengineering solutions.

Caregiver/Nurse Aid, Fort Collins CO — *Brookdale Senior Living Center*

February 2020-December 2021

- Provided one-on-one patient care, assisting residents with daily living activities during the COVID-19 pandemic.
- Developed strong interpersonal skills, crucial for effective patient communication and support.