Brisco Arechederra

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Relevant Work Experience

AGC Biologics Inc.
QC Associate III, Quality Control – Biochemistry, Longmont, CO   **August 2021 – Present**

- Project Managed Analytical Tech Transfer (ATT) work stream
  - Created and communicated ATT deadlines managing equipment validation, document drafting, change control creation, analyst training, and lab release
  - Managed Quality Control and Analytical Development groups to ensure successful implementation of timeline working closely with Site Leadership, Validation, and Facilities
  - Represented workstream in weekly meetings amongst site workstream project managers
- SME and transferring analyst of qPCR analytical methods
- Authors and reviews new specific operating procedures including biochemical methods, cellular biology methods, and equipment maintenance procedures

Novartis Gene Therapies
Senior Analyst, Quality Control – Analytical Chemistry, Longmont, CO   **August 2019 – July 2021**

- Subject Matter Expert, reviewer, and qualified trainer of quantitative PCR (qPCR) assays
- Qualified testing analyst of ELISA assays, analytical ultracentrifugation, qPCR, western blot, and compendial testing (pH, osmolality, and appearance).
- Authors and reviews protocols, reports, and standard operating procedures to address data integrity concerns, create multisite documents, fulfilling CAPAs responses, and remediation improvements.
- Created automated material request tool for ordering team and management resulting in on time procurement of lab supplies and instrumentation.

Four Winds Interactive
Associate Sign Developer, Denver, CO   **August 2018 – August 2019**

- Builds digital signage within the Four Winds Interactive Content Manager software
- Interfaces with clients to troubleshoot signage and update content
- Trains clients on usage and capabilities of Four Winds software
- Creation of training and troubleshooting documentation for signage

Los Alamos National Laboratory
R&D Engineer, Metal Production, Los Alamos, NM.   **July 2017 – August 2018**

- Worked in pyrochemical direct electrolytic reduction R&D efforts
- Trained as a process engineer for plutonium electrorefining line
- Responsible for standing up lab, electronic lab notebook (ELN), equipment for salt preparation, and validation processes including creation of thermogravimetric analysis and Karl-Fischer procedures
- Development of molten salt preparation, casting, and packaging processes documented in ELN

Education

Web Development Coding Bootcamp   *In Progress*
Denver University, Denver, CO

Bachelor of Science with Honors, Chemical and Biological Engineering
Colorado State University, Fort Collins, CO   **GPA:** 3.62

Professional Knowledge and Skills

Web Development <u>(Material Learned):</u> HTML, CSS, Javascript, JQuery, APIs, Node.js, Express.js, MySQL, ES6, Object-Oriented Programming, GitHub

Web Development <u>(To be learned):</u> MVC paradigm, Sequelize, Testing (Jest), Agile Development, Progressive Web Apps, React, NoSQL, MERN Stack, .NET Framework, Comp. Sci. fundamentals

Software: MatLab; Python; JAVA; Aspen; Microsoft Office; Minitab; Microsoft Flow; ELN, Softmax

Training: Radiation Worker; Hazardous Waste Generator; Glovebox Worker; cGMP; GDP

Lab Skills: Aseptic Technique; Method Development; Experimental Design; Root Cause Analysis

Techniques: HPLC; TGA; Karl-Fischer; Analytical Ultra-Centrifugation; qPCR; ddPCR; Fluorescence assays; XRF; Immunoassays; Capillary Electrophoresis