

BIANCA BISCHOFF

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Enthusiastic and self-motivated person, who is diverse in experience and working towards transitioning into a career in Data Science. Over ten years of experience in Chemical Engineering with proven ability to understand problems and find solutions in collaboration with technical and non-technical clients.

MySQL | Python | Tableau | Machine Learning | Classification Algorithms | Regression Algorithms | Forecasting Algorithms | Unsupervised Learning Algorithms | Supervised Learning Algorithms | Time Series Algorithms | Sentiment Analysis | TablePlus | HTML | CSS | Critical Thinker | Self-Starter | Investigative | Strong Communication Skills | Data Driven | Detail Oriented | Adaptable | Committed

EXPERIENCE

BUILT FOR TEAMS

2022-Present (Salt Lake City,

UT) **QA Analyst**

- Created and executed all software test procedures
- Created product documentation and bug reports to improve software quality
- Help identify new features and improvements
- Communicate with development, product owner, executive and design teams through written reports and presentations to identify and solve quality issues

CAPSTONE TECHNOLOGY

2007-2011 (Seattle,

WA) **Senior Chemical Engineer**

- Developed all operations and management training content and delivered training for all required employees (around 200 people). Training delivered on a course of 2 weeks to accommodate shift work of employees and managers
- Participated on final benefit study that concluded the company was saving roughly \$200K a year
- Delivered ongoing daily technical training for the entire operation's team over the course of 12 months while responsible for managing and troubleshooting controllers on site.
- Administered all on site coordination and interaction with the client
- Implemented a series of advanced control and optimization projects in the pulp and paper industry with emphasis on process control and automation of different parts of the plant like the furnace, lime kiln and paper production
- Organized all the design, testing, implementation and commissioning of all controllers at

Longview Fibre Company (Longview, WA) and Kimberly-Clark (Everett, WA). The solution was delivered using Capstone Technology's software MACS (MACSEstimator, MACSSuite and MACSOptimizer)

ASPEN TECHNOLOGY

2005-2006 (Houston,

TX) Senior Chemical Engineer – Professional Services America

- Participated in a \$5.5-million dollar rollout of Advanced Process Control and Real Time Optimization for the largest Petrochemical Producer in Latin America. The project was delivered 2 months ahead of schedule and under budget.
- Key member of the Advanced Process Control team for a world scale olefins unit. Implemented the design, plant testing, model development and commissioning of the following controllers, Furnaces, Quench Tower, Cold Side, and Feed Maximization. The solution was delivered using DMCplus, Aspen Watch, IP.21, Smart Step, Spyro for APC.
- Administrated overall site coordination. The team consisted of about 20 AspenTech engineers. I ensured that everything was ready for the team when they arrived on site was a large and complicated effort. My responsibility was to work with the customer to ensure that instrumentation, feed rates, and overall unit readiness was in a state to maximize the productivity of the team while on site.
- Developed the training course for plant operations for all the DMCplus controllers implemented in the Olefins unit– CBOST (Computational Based Operator System Training).
- Executed and delivered all training materials during the implementation of the controllers to the production engineering staff and operators.
- Cooperated in a benefits analysis of a methanol unit in Argentina. During the course of the study, I conducted site interviews, collect important process data, determined key areas of benefits, wrote benefits report and design document. The customer proceeded with the project.

EDUCATION

Western Governors University

M.Sc. Data Analytics

Tech-Moms Utah

Tech-Moms is a nonprofit organization that helps people transition into technology careers and find more successful employment. During my period with Tech-Moms I learned HTML, CSS and JavaScript

Udemy.com Courses Completed:

SQL for Beginners: Learn SQL using MySQL and Database Design

The Data Science Course 2022: Complete Data Science Bootcamp

Universidade Federal do Rio de Janeiro – UFRJ/COPPE

M.Sc. Chemical Engineering

Pontificia Universidade Católica do Rio de Janeiro, Brazil

B.Sc. Chemical Engineering