Elizabeth Claudio Pachecano

Chemical Data Scientist

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PROFILE

Results-oriented professional with a strong background in chemical engineering and data science. Skilled in managing teams, conducting research, and utilizing advanced analytical methods and data analytics tools. Proven ability to communicate effectively, mentor and supervise team members, and commit to continuous learning.

EDUCATION

Data Science Program, *Lighthouse Labs*
Jan 2024 — present | Canada

Master of Applied Science in Chemical Engineering, *Queen's University*
Sep 2016 — Jun 2019 | Kingston, ON, Canada

ACS Summer School on Green Chemistry and Sustainable Energy, *Colorado Schools of Mines*
Jun 2018 — Jun 2018 | Golden, CO, USA

Bachelor of Biochemical Engineering, *National Technologic of Mexico*
Jan 2010 — Jul 2015 | Mexico

LANGUAGES

English — Fluent

Spanish — Native/Bilingual

SKILLS

Technical — Statistical Analysis: Hypothesis testing, Regression Analysis | Data Science: Exploration, Cleaning, Visualization, Machine Learning, Large Language Models, Recommender Engines | Python: Pandas, Numpy, Seaborn, Matplotlib, Scikit-Learn, TensorFlow, PyTorch, XGBoost | Microsoft Office, Google Suite | Database Management and Querying: SQL, PgAdmin

Soft — Team Collaboration | Time Management | Adaptability | Problem-Solving | Critical Thinking | Communication | Leadership | Team Training | Organization | Customer Service

PROFESSIONAL EXPERIENCE

Chemical Engineering Lab Experience, *Queen's University*
Sep 2016 — Jun 2019 | Kingston, ON, Canada
‣ Conducted research in chemical processes, validated lipid extraction techniques, and developed characterization protocols for biofuel production.
‣ Gained hands-on experience with lab equipment and safety protocols.
‣ Documented results and methods, presenting findings to project teams.

Manager/Health and Safety Representative, *Bread & Butter Bakery*
Sep 2022 — present | Kingston, ON, Canada
‣ Directed staff recruitment, training, and supervision.
‣ Enhanced customer satisfaction in a dynamic environment and resolve issues under pressure.
‣ Managed daily operations, inventory control, and administrative tasks.

Laboratory Research Assistant, *Mexican Institute of Water Technology*
Aug 2014 — Dec 2014 | Mexico
‣ Developed and improved protocols for the cultivation of cyanobacteria strains.
‣ Worked with specialized lab equipment and conducted experimental trials.
‣ Managed lab glassware and experimental setups.

Laboratory Research Assistant, *National Institute of Forestry, Agricultural and Livestock Research*
Jan 2014 — Jul 2014 | Mexico
‣ Standardized processes for Jatropha seeds, boosting growth rates for biofuel production.
‣ Managed lab glassware and experimental setups, similar to the job's requirements for hands-on work with polymerization and lab setups.

Teaching Assistant, *Queen's University*
Jan 2017 — Jan 2018 | Kingston, ON, Canada
‣ Conducted tutorials and workshops on Industrial Pollution Mitigation.
‣ Demonstrated leadership and effective communication skills, valuable for collaborative research environments.

CERTIFICATES

- Standard First Aid - CPR C - AED
- WHMIS