

# Carmen Sandate

Vancouver, BC  
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## PROFESSIONAL SUMMARY

Aspiring Data Analyst currently in the 3rd term of the Post-Degree Diploma in Data Analytics at Langara College. Seeking a role in data analytics, business intelligence, or a related field. Proficient in Python, SQL, Power BI, and Excel. Strong analytical skills, problem-solving abilities, and experience with data-driven decision-making.

## KEY SKILLS

- Data analysis, exploratory data analysis, and statistical modeling
- Python, R, and SQL for data manipulation and analysis
- Power BI and Excel for dashboards and reporting
- Data visualization and storytelling for decision-making
- Research, literature review, and academic writing
- Problem-solving, critical thinking, and attention to detail
- Team collaboration, adaptability, and fast learning
- Experience developing optimization models for logistics in fuel supply operations

## EDUCATION/CERTIFICATION

Post-Degree Diploma in Data Analytics Langara College, Vancouver, BC	September 2024 – December 2025
M.Sc. in Chemical Engineering Instituto Tecnológico de Celaya, Mexico	January 2011 -December 2012
BSc. Chemical Engineering Universidad Autónoma de San Luis Potosí, Mexico	August 2005 – May 2010
Exchange Program – Chemical Process Engineering INSA-Rouen, France	August 2008 – July 2009

## RESEARCH EXPERIENCE

Research Project- Master's Thesis:	January 2011 -December 2012
<ul style="list-style-type: none"><li>• Synthesis of mass and property integration networks.</li></ul>	
Published articles:	
<ul style="list-style-type: none"><li>• "An MINLP Model that Includes the Effect of Temperature and Composition on Property Balances for Mass Integration Networks"</li><li>• "Property integration models with interdependence mixing operators"</li></ul>	

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## EMPLOYMENT EXPERIENCE

Planning & Optimization Specialist- Fuel Supply Division-PEMEX January 2014 – June 2024

- Developed and implemented optimization models to improve logistics and reduce operational costs.
- Conducted data-driven economic evaluations to support business decisions.
- Created analytical tools and dashboards for workflow efficiency.
- Analyzed large datasets to identify trends and optimize resource allocation.

Validation Engineer Manufacturing Industry-Colgate-Palmolive March 2013 – December 2013

- Managed quality control and compliance testing for production processes.
- Conducted statistical analysis to ensure product consistency and performance.
- Collaborated with cross-functional teams to implement data-driven process improvements.

Training Engineer – Internship -BASF-Agri Production, France January – July 2009

- Supported production team with chemical processing operations and documentation.

## VOLUNTEER EXPERIENCE

Animal Rights and Adoption Volunteer, CatyPerry January 2022 - Present

- Manage social media and assist in organizing adoption events.
- Provide guidance to individuals seeking to adopt homeless pets.

## LANGUAGES

Fluent in English and Spanish.

## AVAILABILITY

I will complete my studies in December 2025 and will be available for full-time opportunities starting January 2026.