

CATHERINE OLLERMANN

West Melbourne, FL 32904 | 321-477-9430 | catherineollermann@gmail.com | Available for relocation

I have expertise in the engineering field, with three years of experience in Energy and Oil and Gas, where I was able to develop technical expertise in petroleum engineering, data analysis and project management. Over time, I discovered a passion for the broader system: how science, technology and innovation come together to generate impact. It is this same curiosity that now leads me to Science and Technology Management. I am concerned with using my technical background to create real solutions in the world and thus contribute to the growth and development of the company.

EDUCATION

Science Technology Management Master's Degree (Focus: Computer Science) – Avila University (GPA 4.0) **2025 - present**
Petroleum Engineering Bachelor's Degree – Federal University of Pelotas – Brazil **2016 - 2022**
Academic Merit Recognition by the Regional Council of Engineering and Agronomy of Rio Grande do Sul (CREA-RS)
Chemistry Technical Degree – Federal Institute of Education, Science and Technology Sul-Rio-Grandense – Brazil **2007 - 2011**

TECHNICAL SKILLS

- Software Proficiency: CMG Software (Builder, IMEX, WinProp, Results 3D, Results Graph), ALFAsim, SGeMS, Kappa Workstation, tNavigator, Surfer, Spring, MATLAB, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Power BI.
- Technical Expertise: Python, SQL, Data Analysis, Project Management, Market Research, Operational Optimization, Pour Point Evaluation
- Languages: English, Portuguese and Spanish

PROFESSIONAL EXPERIENCE

Intern – Gas Energy Chemicals – Brazil **01/2021 – 06/2021**

- Collaborated closely with cross-functional teams to drive improvements in operational efficiency, cost optimization, and strategic planning across Energy and Oil & Gas markets.
- Consistently maintained monthly spreadsheets containing essential production data, oil and gas prices, and gas consumption figures across diverse sectors, including thermoelectric, refining, industrial, and petrochemical.
- Assisted in preparing reports by conducting an in-depth analysis of collected data while actively contributing to developing company projects and studies as per client requests.
- Participated in developing and implementing data-driven strategies, leveraging collected data and market analysis to optimize resource allocation and capitalize on opportunities in the Energy and Oil and Natural Gas markets.

Tutor (part-time) – Federal University of Pelotas, Engineering Center – Brazil **12/2020 – 06/2021**

- Supported and guided students aiding in problem-solving exercises and facilitating the learning of the ALFAsim software for oil lifting and flow simulations.
- Offered academic support to students in Applied Economics, facilitating a clear understanding of key concepts.

Internship – Federal University of Rio de Janeiro, Institute of Macromolecules – Brazil **01/2020 – 02/2020**

- Evaluated pour points to determine the temperature threshold at which a substance transitions from liquid to solid state.
- Conducted initial crystal appearance temperature (TIAC) assessments to identify the temperature at which crystallization initiates within a given substance.
- Executed intrinsic viscosity determinations to evaluate substances' molecular weight and internal friction.
- Applied the asphaltene extraction method to separate asphaltene components from asphalt waste, facilitating subsequent analysis and assessment.

Director of Infrastructure – Spe-Ufpel Student Chapter – Brazil **06/2018 – 08/2019**

- Led the initiation and oversight of community development-focused social projects.
- Cultivated a collaborative work environment, encouraging effective teamwork and enhancing cooperation among team members.

- Scholarship Holder** – Federal University of Pelotas, Technological Development Center – Brazil **05/2017 – 08/2019**
- Performed in-depth research to develop and implement a cutting-edge Fuzzy Logic assessment system to optimize the teaching and learning experience of Computational Thinking.
 - Produced noteworthy research outcomes resulting in 7 articles, 5 of which were published in reputable journals.

- Vice President** – ENGEOSUL (Junior Geoengineering Consulting Company) – Brazil **01/2018 – 01/2019**
- Developed and implemented all legal and administrative processes during the company's establishment.
 - Managed team coordination and oversaw project implementation in the areas of Petroleum Engineering, Geological Engineering, and Geoprocessing.

ACHIEVEMENTS & PUBLICATIONS

- Published 5 research articles on Computational Thinking and Fuzzy Logic systems.
- Recognized for academic excellence by CREA-RS as NCEES.
- Led successful community development projects as Director of Infrastructure at SPE-UFPEL.

KEYWORDS

Petroleum Engineering, Data Analysis, Operational Efficiency, Project Management, PMBOK, Computational Tools, Laboratory Testing, Market Research, Team Leadership, Cross-Functional Collaboration, Technical Writing, Problem-Solving, ALFAsim, CMG Software, Python, SQL, MATLAB, Science Technology Management, Bilingual, Tech Savvy.