

Vaiana Moreau

📍 Montréal (Québec) ✉ vaiana.moreau@gmail.com

SUMMARY

With both a Bachelor's and a Research Master's degree in Chemical Engineering from Polytechnique Montréal, I have a strong scientific and theoretical background complemented by extensive laboratory experience. I have developed solid skills in experimental project management, student supervision, and scientific writing.

Organized, detail-oriented, and highly motivated, I am eager to apply my technical expertise, collaborative skills, and research experience to contribute effectively in an industrial setting.

SKILLS

Software: Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, Visio, MS Project), Aspen Hysys, SketchUp, LabVIEW, COMSOL

Programming Languages: MATLAB, Python

Technical Skills: P&ID, PFD, mass and energy balances

Soft Skills: Enthusiasm, organization, autonomy, teamwork, analytical thinking

Languages: French (native), English (advanced)

EDUCATION

Master of Science in Chemical Engineering – Biomaterials & Cell Culture, Polytechnique Montréal *May 2023 – August 2025*
Degree awarded with distinction

Bachelor's Degree in Chemical Engineering, Polytechnique Montréal, Canada *August 2018 – May 2023*

French Scientific Baccalaureate, Lycée Samuel Raapoto, Tahiti, French Polynesia *June 2017*
With honors (Equivalent to second year of college diploma)

RELEVANT EXPERIENCE

Laboratory Instructor for Polymer Materials and Organic Chemistry Courses, Polytechnique Montréal *August 2023 – December 2024*

- Coaching students in laboratory settings
- Preparing and leading laboratory sessions
- Grading and providing support for report writing

Research Intern: Biomaterials for Cancer Treatment, Polytechnique Montréal *June 2021 – April 2023*

- Drafting experimental protocols
- Planning and organizing analytical tests
- Characterizing mechanical properties and material microstructure
- Collaborating with another university
- Contributing to scientific article writing
- Training new students in gel preparation techniques

Laboratory Technician (Internship), CAIRAP, Tahiti, French Polynesia *August 2020 – December 2020*

- Determining analytical method detection limits

- Preparing method validation documents
- Conducting dosage tests
- Performing daily water and food analyses following hygiene standards
- Conducting literature reviews on existing protocols
- Planning and ensuring task continuity

OTHER EXPERIENCE

- Première Moisson, Customer Service**, Montréal, Canada *September 2024 – Present*
- Welcoming and advising customers
- Laura Secord, Customer Service**, Montréal, Canada *June 2021 – October 2021*

ACADEMIC ACTIVITIES

- SSM13 (Summer School on Medicines)**, Barcelona, Spain *July 2023*
- Oral presentation on macroporous hydrogels for neural cell culture

SCHOLARSHIPS AND AWARDS

- PrEEMiuM Scholarship**(10,000 CAD/year) *May 2023 – May 2025*
- Awarded for academic excellence and research in energy efficiency and materials.
- UPIR Scholarship**(1,500 CAD) *October 2022 – April 2023*
- Merit-based scholarship supporting research during bachelor's program.
- UPIR Scholarship**(1,500 CAD) *October 2021 – April 2022*
- Recognized for academic performance and research potential.

VOLUNTEER ACTIVITIES

- Member, CEES-GCH Student Committee (Graduate Studies Committee in Chemical Engineering)** *May 2024 – August 2025*
- Contributed to departmental decision-making on graduate program structure and student experience.
- VP Activities, AEPF (French Polynesian Students Association)** *Sept 2022 – Sept 2023*
- Organized social, cultural, and fundraising events for the student community.
- Member, PolyShow Student Committee** *Jan 2018 – March 2020*
- Helped coordinate the university's annual talent show and student performances.

Additional Informations

- Possession of a Class 5 driver's license
- Permanent resident of Canada
- References available upon request
- Possibility of access to a salary grant eligibility letter (PRIIME program)