

# Nícolas Léo Moreira

+1 587 896 7632 | nicolas.leomoreira@ucalgary.ca | linkedin.com/in/nicolas-leo-moreira/ | nicolasleomoreira.github.io

## EDUCATION

### University of Calgary, Schulich School of Engineering

Expected April 2027 (including internship)

Bachelor of Sciences - Major in Sustainable Systems Engineering and Minor in Digital Engineering

(GPA: 3.4/4.0)

## INTERNSHIP STATUS

Available May 1, 2025, seeking internship employment for 12 to 16 months

## QUALIFICATIONS SUMMARY

**Technology:** Microsoft Office Package, Python, C++, Arduino, and basic html and css

**Design and Modeling:** Canva, SolarEdge, PrusaSlicer, FreeCAD and Autodesk Fusion 360

**Languages:** Portuguese (native), English (fluent), Spanish (intermediate), and French (beginner)

**Health and Safety Training courses:** Occupational Health and Safety Training, Hazard Assessment Training, WHMIS 2015, Harassment and Violence Awareness Training, and Incident Reporting and Investigation. All of the courses were provided by the University of Calgary, Calgary, Alberta, Canada

## PROFESSIONAL EXPERIENCE

### Temporary Coordinator, Canadian-Scandinavian Arctic Collaboration

Oct, 2024 – Dec, 2024 | (Remote)

- Generated detailed infographic summaries for various project work packages, making scientific data accessible to diverse stakeholders, including several Indigenous communities
- Mapped watersheds and synthesized geographic data for use in proposal modeling, contributing to the visualization and communication of key environmental factors
- Coordinated meetings with international and Canadian Indigenous partners, ensuring their voices were represented in the proposal for the Nordforsk Sustainable Development for the Arctic funding call
- Led coordination efforts for Team Canada, including organizing meetings and preparing detailed meeting summaries

### Summer Intern, Biome Renewables

Summer 2024 | Toronto, Canada (Remote)

- Developed an Excel sheet to streamline company processes, enhancing efficiency and accuracy in data management
- Conducted comprehensive market research to identify potential customers, contributing to strategic business development initiatives
- Assisted in modeling an existing design, supporting the engineering team in refining product specifications and performance

### Junior Researcher, Manufactured Ecosystems, University of Calgary, University of Guelph & NASA

Jan, 2024 - Present | Calgary, Canada

- Researched biomimetic technologies to replicate ecosystem services and address global ecological decline
- Collaborated with a team to develop a database of technological solutions for ecosystem services
- Directed virtual and physical exhibitions using AI and bio-art to engage the public on climate action and technology's role in sustainability

### Junior Researcher, Chickadee Challenge, University of Calgary & Sustainable Calgary

May, 2023 - Present | Calgary, Canada

- Designed the Chickadee Challenge Program to promote climate change education and nature-based solutions
- Conducted research on biomimicry strategies in Alberta species
- Developed educational materials for young learners, ensuring alignment with educational goals and engagement

### Budget Department Intern, Maya Energy

Mar, 2022 - Jul, 2022 | Belo Horizonte, Brazil

- Streamlined budget processes by developing new tools, improving departmental efficiency
- Created a task-tracking Excel spreadsheet that boosted productivity and implemented a merit-based reward system
- Designed SolarEdge systems to improve customer experience with visual solar panel layouts

## LEADERSHIP EXPERIENCE

### S4E Founder and President, University of Calgary

Sep, 2023 - May, 2024 | Calgary, Canada

- Founded and led a student society focused on sustainable systems engineering, overseeing 20+ students
- Led several events to promote community engagement and student stewardship
- Organized a Sustainable Industry Fair with 150+ attendees from 22 faculties and 12 companies, promoting sustainability practices

### Hydrogen Eco-Car Club Design Team Member, University of Calgary

Jul, 2023 - Jan, 2024 | Calgary, Canada

- Collaborated on the design and development of a hydrogen-powered eco-car for competitions like the Shell Eco-Marathon
- Contributed to fuel cell, energy storage, and power distribution design and prototyping

**EEESA First Year Representative, University of Calgary***Oct, 2022 - May, 2023 | Calgary, Canada*

- Founded the position and acted as a liaison between first-year students and the EEESA council, creating engagement opportunities
- Planned events with Vice Presidents to promote environmental engineering
- Delivered a guest lecture at Griffith Woods School on renewable energy to 30+ students

**Minas Tênis Solidarity Program Volunteer, Minas Tênis Clube***Mar, 2019 - Present | Belo Horizonte, Brazil*

- Launched a tutoring program for 20+ students who lacked online learning during the COVID-19 pandemic
- Participated in various community service projects, including adoption campaigns, and visits to orphanages and retirement homes

**Swimming Athlete, Minas Tênis Clube***Jan, 2011 - Dez, 2021 | Belo Horizonte, Brazil*

- 10 years on the highly competitive swim team at Minas Tênis Clube, earning over 200 medals and developing team competition and leadership skills
- Committed approximately 30 hours per week to training, meetings, traveling, and competing while maintaining academic excellence
- Demonstrated strong interpersonal and teamwork skills by developing qualities such as concentration, dedication, patience, strong work ethic, and perseverance to meet both personal and team goals

**AWARDS & CERTIFICATIONS**

---

**Awards:** First Place in the David Holub Interdisciplinary Cleantech Design Challenge, Swimming State Champion (Minas Tênis Clube, Belo Horizonte, 2011-2021), Brazilian Swimming Championship Finalist and Medalist (2017 and 2018), and Ironman 70.3 Harmony Finisher

**Certificates:** Brazilian Olympiads of Astronomy (Escola Santo Tomás de Aquino, 2017), National Academic Olympiads of History (Escola Santo Tomás de Aquino, 2018), Brazilian Academic Olympiads of Mathematics (Escola Santo Tomás de Aquino, 2019), Academic Olympiads GeoBrasil (Escola Santo Tomás de Aquino, 2019), 3D Printing in the Maker Multiplex (University of Calgary, 2022), and the Clean Energy Entrepreneurship Workshop (IEEE PES, 2022)

**Honors:** Aussie of the Month (Ironside State School, 2009) and Academic High School Prominence (Escola Santo Tomás de Aquino, 2017-2021)