

## **Gabriele Aparecida Martins**

M.Sc. Student

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### **Summary**

Gabriele holds a B.Sc. in Civil Engineering from the Federal University of São Carlos (Brazil) and is currently pursuing a M.Sc. in Geotechnical Engineering at the University of Alberta (Canada). She has gained valuable geotechnical research experience in both Brazil and Canada and completed an 8-month internship at a renowned foundation and excavation design consulting company in São Paulo, Brazil.

### **Education**

#### **Master's degree in Civil Engineering**

M.Sc. Geotechnical Engineering

Jan 2025 - present

University of Alberta, Edmonton, AB, Canada

Expected date of completion: December, 2027

Supervisor: [Lijun Deng](#)

#### **Bachelor's degree in Civil Engineering**

Federal University of São Carlos, São Carlos, SP, Brazil

Mar 2019 - Oct 2024

### **Employment**

#### **Engineering Intern**

Apr 2023 - Dec 2023

#### **APIO Consultancy and Foundation Design, São Paulo, Brazil**

- Collaborated with fellow team members to create cost-effective solutions for foundation and containment projects.
- Conducted preliminary engineering studies including sub-surface investigations and monitoring.
- Performed load capacity calculations for shallow and deep foundations.
- Accompanied senior technical staff for on-site inspections during construction; learning how to monitor and inspect design requirements.
- Improved customer communication through participation in meetings with clients.
- Participated in a foundation course taught by the Lead Engineer.
- Prepared a final thesis based on project data.

### **Honors and grants**

- University of Alberta Graduate Recruitment Scholarship (2025)
- Emerging Leaders in the Americas Program (ELAP) Scholarship to conduct the "Characterization of hydraulic properties of a wicking geosynthetic" research at University of Manitoba, Winnipeg, Manitoba, Canada (Jan 2024 - May 2024)
- Scholarship from the National Council for Scientific and Technological Development (CNPq) to conduct the "Thermal aging of bentonite geocomposites with polymer-modified bentonite under high elevations" research at Federal University of São Carlos, São Carlos, São Paulo, Brazil (Aug 2022 - Jul 2023)

## **Honors and grants**

- Scholarship from the National Council for Scientific and Technological Development (CNPq) to conduct the “Acquisition and processing of orthophotos for Remote Sensing using UAVs” research at Federal University of São Carlos, São Carlos, São Paulo, Brazil (Aug 2021 - Jul 2022)

## **Volunteer work**

- External Relations Advisor | Sales Advisor, Junior Civil Engineering Company UFSCAR (EDIFICar Jr), Aug 2021 - Mar 2022
- Marketing Associate, UFSCAR Civil Engineering Week - SECIV, Jan 2021 - Dec 2022
- Project Management Director | Project Management Member Member of the OrthUs Project - Cinesio Program | Scrum Master of the Muda 8 Project, Entrepreneurial Action Us (ENACTUS UFSCAR), Sep 2019 - Jul 2021