

Lucas Rollin Ferreira

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PROFESSIONAL PROFILE

Civil Engineer graduated from UFSC with technical specialization in Data Analysis and Web Development. Combines experience in regulation, planning, and construction project management with skills in automation (Python, Apps Script), Business Intelligence (Power BI, Excel), and full-stack development (Django). Focused on transforming complex processes into scalable digital solutions and strategic dashboards, optimizing decision-making and operational efficiency for multidisciplinary teams.

EDUCATION

Civil Engineering – Federal University of Santa Catarina (UFSC) | 2024
Grade Point Average (GPA): 8.8/10.0

EXPERIENCE

Civil Engineer | ARESC – Public Services Regulatory Agency of SC
Dec/2024 – Presente

- Works in regulation, inspection, and process management within the state infrastructure sector.
- Automated data collection and processing routines using Python and Google Apps Script, reducing operational time by 40%.
- Built Power BI dashboards to monitor regulatory indicators.

Full-Stack Developer & Budget Analyst (Freelancer) | Self-employed
Nov/2024 – Feb/2026

- Developed a Web App for engineering project budgeting using Django, Vanilla JavaScript, and SQL.
- Designed a database to structure cost inputs and compositions.

Planning & Market Intelligence Intern | SCGÁS
Sep/2023 – Jul/2024

- Created Power BI dashboards to analyze the pipeline project portfolio.
- Mapped and optimized project management processes using BPMN (Bizagi).
- Conducted geospatial and statistical studies with QGIS and Power BI, identifying potential customers.

Planning & Civil Engineering Intern | D'Campos Construction Company
Apr/2022 – Jul/2023

- Monitored 4 vertical construction projects (~12,000 m²), tracking schedule, quality, and quantities.
 - Developed physical schedules in MS Project and quantity controls using the Sienge ERP system.
 - Created service manuals and verification checklists to standardize quality.
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TECHNICAL SKILLS

- **Programming & Web:** Python (Django), SQL, JavaScript, HTMX, AlpineJS, Tailwind CSS, Apps Script, Git.
- **Data & BI:** Power BI, Excel Avançado, Pandas.
- **Engineering & Planning:** MS Project, Sienge ERP, Bizagi (BPMN), AutoCAD.
- **Idiomas:** Fluent English ([C2 – EF SET](#), 2022), Native Portuguese.
- **Certifications:** Harvard Certificates [[CS50x](#) (Computer Science), [CS50P](#) (Python), [CS50 SQL](#), [CS50 Web](#) (Django/JS), [CS50AI](#) (Machine Learning)].