Luigi Scofano de Araujo

Résumé

Computer Engineering

Data, AI and business

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Profile

Computer engineering student at Poli-USP with experience in applied AI, data, software development and business. Combines Python, SQL, Power BI, natural language processing and generative AI with experience in energy sales and interface development for foreign exchange. Builds tools for practical needs, including the AI prospecting platform used by the TRIA Commodities sales team. Brings together academic research, product thinking and team leadership.

Education

University of São Paulo (USP)
Computer Engineering | Polytechnic School
Jan 2022 - Expected graduation: 2027

Professional experience

TRIA Commodities | Sales Intern
Sep 2026 - Present

- Support electricity purchases and sales in the free energy market, prospect for customers and qualify business opportunities.
- Built an AI prospecting platform that the entire sales team uses to automate parts of its workflow. Used Claude during development and integrated AI into the prospecting process itself.

Núclea | HR Technology Intern
Jun 2025 - Aug 2025

- Built compensation and benefits dashboards in Power BI, Excel and MySQL to track workforce, career progression, turnover and performance metrics.
- Automated spreadsheet consolidation and built data models that reflected departmental changes in the dashboards. Used Git for version control.
- Analyzed the relationship between commuting, employee departures and the return to the office. Presented the findings to the team.

BTG Pactual | Foreign Exchange (FX) Summer Analyst
Jan 2024 - Feb 2024

- Helped design a web platform for international foreign exchange transactions, drawing on FX operations to guide development.
- Developed user interfaces with the front-end team for the website used to carry out international FX transactions.

Skills

Data: Excel, Power BI, Power Query and SQL (MySQL).
Development: Python, TypeScript, Git/GitHub. Coursework in Java and C.
AI: NLP, OCR, LLMs, MediaPipe, ChatGPT and Claude.
Automation and development tools: n8n, Make, Zapier, Cursor, v0 and Bolt.
Computing: Three.js and Vite. Coursework in Verilog and digital circuits.
Business & management: HubSpot CRM, prospecting, partnerships, project leadership.

Languages

Portuguese: Native
English: Advanced, Cambridge C1 Advanced (2021)
Spanish and French: Intermediate

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Academic research

LASSu-USP | Undergraduate Research in Virtual Reality
Sep 2026 - Present

- Develop a virtual museum of computing history with a browser-based 3D environment built with Three.js, TypeScript and Vite.

IME-USP | Undergraduate Research in Natural Language Processing
Sep 2024 - Sep 2026

- Applied NLP to the preservation of Old Tupi, contributing to a working translator and an electronic dictionary.
- Studied how OCR and LLMs can extract text from historical sources and structure linguistic data, with a focus on data quality and digital accessibility.

Projects

TRIA Commodities | AI Sales Prospecting Platform

Internal prospecting platform that uses AI, data and filters. Built with support from Claude and used by the sales team.

GestureLab | Computer Vision and Gesture Interaction

Python and MediaPipe application that uses pretrained models to recognize webcam gestures, draw in the air and compare poses.

github.com/luigiscofano/gesturelab

Intuição | Educational Games Platform

A platform with 19 logic and strategy games, a Brazilian visual identity, animated tutorials, saved progress and computer opponents.

github.com/luigiscofano/intuicao

AMPHIBIA USP | Social and Environmental Projects

Planned and carried out social and environmental projects that connected engineering with industry, and sought out prospective partners.

Leadership and volunteering

Poli-USP Athletic Association | Jiu-Jitsu Director
Jul 2023 - Dec 2025

Managed the budget and hiring. Coordinated the team, training, venues and events.

Jiu-Jitsu Instructor | Jan 2023 - Present

Teach jiu-jitsu and self-defense using the Gracie University method, and sport jiu-jitsu at USP, with an emphasis on safety and inclusion.

Class Representative | Poli-USP
Raised student concerns with faculty and helped resolve issues.

ACEP / Escola Parque | Volunteer Teacher
Jun 2018 - Sep 2018

Taught Portuguese and mathematics to sixth-grade students in Rio de Janeiro municipal schools. Prepared exercises and study guides.

Selected courses

Generative AI Engineer | IBM / edX | In progress
CS50 | Harvard / edX | In progress
Excel | University of British Columbia / edX
Introduction to Engineering (PIUES) | PUC-Rio | 2020
Unity, Blender and AI in Unity | Happy Code | 2016-2018
IED Design Experience | Istituto Europeo di Design | 2019

Awards

Brazilian National Science Olympiad: Gold in 2020 and 2021.
Math Kangaroo Brazil: Gold in 2021 and silver in 2020.
Rio de Janeiro Chemistry Olympiad: Silver in 2020.