

Pedro Azevedo

Mechatronics Engineering Student

 in/pecazeco  github.com/pecazeco

Education

Mechatronics Engineering

University of São Paulo 2020 - Current

- Adaptivity, Multidisciplinary, Modeling, Computation, Problem Solving, Python

Emphasis on Computing

Institute of Mathematics and Computer Sciences - USP 2023 - 2024

- One of the 10 selected from the Campus to carry out special studies in computing and to receive a certificate
- **Data Structures** (hash tables, trees, linked lists, queue, stack, etc.), AI, Data Processing, Image Processing, **Machine Learning**, **Python** (NumPy, scikit-learn, PyTorch, etc.), **JavaScript**, HTML, Git/GitHub, Object-Oriented Programming

Professional Experience

Data Science Consultant - Internship

Grupo Visagio 09/2024 - 06/2025

- Application of data science concepts in the business rules of a large bank that was undergoing digitalization.
- Organization of attraction events focused on university students
- **Python**, **SQL**, PowerBI, Microsoft Office, Google Workspace, GenAI, Lifelong Learning, project-driven company

Academic Experience

Mechanics Engineering Director - Voluntary

EESC-USP Tupã 12/2021 - 01/2023

- Coordination and leadership of a core of 10 people in a team focused on the design, manufacture, and validation of a Formula SAE Electric car.
- Active work in winning the team's **first national championship** in 2021
- Problem Solving, People Management, Project Management, Communication, Leadership, Documentation

Projects

Adultilization Identifier - Extension for Instagram

Undergraduate Thesis - USP 07/2024 - On-going

- A Chrome extension to identify and blur Instagram posts with sexualized children content.
- Web Development + Google Generative AI API
- **JavaScript** (**Manifest V3**, Node.js)

Automated legal process classification system

Grupo Visagio 05/2025 - 06/2025

- Support and improvement of the on-going system, adding new features and keeping a > 90% classification accuracy
- GenAI, Python (**LangChain**, OpenAI API, Gemini API, etc.)

Organization of important data warehouses of a real bank

Grupo Visagio 09/2024 - 04/2025

- Development of interconnected data marts of credit and debit cards using SQL
- Visualization of important indicators through **dashboards**
- **BigQuery SQL**, PowerBI

Finite Elements optimization through Neural Networks method

CNPq 09/2023 - 09/2024

- Scientific Initiation Research
- Python, **Artificial Neural Networks**, Artificial Intelligence, Scientific Research, MatLab, Optimization

Courses and Certificates

Forward Learning Program

McKinsey 10/2025 - 12/2025

- Adaptability, Problem Solving, Communicating for Impact

The Complete Full-Stack Web Development Bootcamp

Udemy 2025 - On-going

- **JavaScript** (**Node.js**, **React.js**, **jQuery**, etc.), CSS, HTML, SQL, UX

English B1

Cambridge 12/2017

- Score of 145 out of 150