

# 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

### Adultization 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