

PATRICIA

HONORATO

UNDERGRADUATE IN COMPUTER  
ENGINEERING

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Education

Inteli - Institute of Technology and Leadership

Bachelor in Computer Engineering (*Expected December 2025*)

Approved in 1st place with full scholarship (score 96/100 in the entrance exam), Sallouti Scholar (1 out of 10 scholarship holders)

Skills and tools

Programming Languages

C++, HTML5, CSS, Python, JavaScript, GodotScript

Hardware skills

ESP32-S3, Raspberry Pi Pico W, Dobot Magician, TurtleBot 3 Burger

Machine learning skills

Decision tree, Random Forest, KNN, Linear Regression, LightGBM

Databases

MySQL, AWS Athena

Frameworks

Bootstrap, Node.js, Sanic, Flask, ROS 2

Tools

Git, WSL(Ubuntu), Postman, Google Colab, Arduino IDE, ThingSpeak, Gazebo, Graphic Design skills (Adobe programs)

Computer Engineering Projects

Game: Back 2 Life - The Second Chance

February 2022 - April 2022

Game Development Module, Inteli

A GDScript-based game promoting cancer prevention and treatment, developed for USP Faculty of Medicine. [GitHub](#)

TV Audience Predictive Model

August 2022 - October 2022

Artificial Intelligence Module, Inteli

Created a ML model using Python on Google Colab for predicting TV audience trends based on 10 years' data. [GitHub](#)

Greenhouse Climate Control IoT System for Geranium

October 2022 - December 2022

IOT Development Module, Inteli

An IoT mechanism for controlling greenhouse temperature and humidity, developed in C++ using ESP32-S3 board. [GitHub](#)

Magnetic Material Separation Mechanism for IPT

February 2023 - April 2023

Industrial Automation Module, Inteli

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## Experience

### Brazilian Fair of Young Scientists (Non-Profit) Co-Founder & Director of Publicity and Technology

February 2020 – present

- Led social media management, graphic design, audiovisual content creation, live broadcasting, and press/school communication.
- Secured over \$40,000 in sponsorships across three editions, yielding 1.5M+ unique website views, 49K YouTube views, and benefiting 2,000+ students across 25 Brazilian states.
- Hosted 500+ projects in recent events.
- Mobilized 800+ volunteers and 30 supporting organizations, including the US Embassy and the National Academy of Engineering.

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### BTG Pactual

July 2022

#### Winter Intern Product Management

Worked on a gamification study for the Invight app, leading to the development of a new feature informed by this study and integrated through roadmap processes.

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### BTG Pactual

January 2023

#### Summer Intern Data Management

Implemented an XGBoost-based predictive model to automate investment fund transaction classifications, a task previously conducted manually. The model is projected to streamline over 500,000 daily transactions.

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## Research and Experience

### Cancer Institute of the State of São Paulo - ICESP Undergraduate Research

February 2023 – present

Developing a predictive model for aiding in the prognosis of breast cancer patients based on immune system cell detection from blood tests. Utilizing a dataset of over 7,000 patients tracked for a decade.

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### Weizmann Institute of Science

July 2019

#### Intern and Scholarship Holder, Bioinformatics Research, Department of Planetary and Earth Sciences

Utilized Python to analyze three years of Yatir Forest data, shedding light on plant adaptability in water-deficient conditions.

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## Awards and Honors

- 3rd Place in Environmental Sciences, International Conference of Young Scientists (Top 40%/138 of projects). April 2019

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- ISEF Finalist in Environmental Engineering with Bolmoringa project. May 2019

- Research Presentation Award, FIRST LEGO League, NASA - Katherine Johnson IV&V Facility (Top 20%). July 2017

- Speaker as Global Youth, Village to Raise a Child program, Harvard University (Top 1%/400 projects). October 2018

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