

Tiago Perrupato Antunes

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Introduction

Computer Engineering student at Unicamp, driven by technology and innovation, with experience in applied AI, agent systems and backend development. Through research, internships and team projects, I connect technical foundations with practical problems, combining experimentation, collaboration and continuous learning.

Education

Universidade Estadual de Campinas, BS in Computer Engineering Expected: 2nd half 2027

- **Coursework:** Computer Architecture, Software Engineering, Algorithms and Data Structure, AI

Linnaeus University, Exchange Studies as a BS in Computer Science Jan 2024 - Jan 2025

- **Coursework:** Computer Architecture, Software Engineering, Algorithms and Data Structure, Linear Algebra

Experience

Undergraduate Student Researcher, Recod.ai/UNICAMP – Campinas, SP Sep 2026 – Present

- Research on AI agents for risk decision-making in insurance, in partnership with Brick
- Focus on AI trust, risk management, and cybersecurity in agentic systems
- Tools Used: Python, PyTorch, Computer Vision, LLMs

Software Development Intern, ELDORADO Research Institute – Campinas, SP Mar 2026 – Present

- Research about usage of Generative AI in QA testing automation
- Development of Multimodal Agentic Systems for QA solutions
- Tools Used: Python, CrewAI, Docker, AWS

Backend Summer Internship, BTG Pactual – São Paulo, SP Jan 2026 – Feb 2026

- Internship in the IT Offshore Luxembourg Division as a backend developer
- Development and support of internal banking tools for the bank
- Tools Used: Python, FastAPI, Java, Spring Boot, SQL, Docker, Kubernetes, AWS

Smart Agents (AI) Undergraduate Researcher, Gobots/UNICAMP – Campinas, SP Sep 2025 – Aug 2026

- PIBIC Research about Autonomous Multi-Agentic Systems in management of advertisements in Marketplaces
- Application in real world scenarios, such as Mercado Livre, Amazon and Shopee
- Coauthor: *LLM-Based Multi-Agents for Sponsored-Product Campaign Management in E-Commerce* (AGENTICS 2026)
- Tools Used: Python, LangChain/LangGraph, Pandas, Docker, AWS

Academic Tutoring, Linnaeus University – Växjö, Sweden Aug 2024 – Jan 2025

- Teaching Assistant for the course "Linear Algebra"
- Student support for activity completion during the course
- Assignment and grading of activities, Theory and MATLAB Projects

Coordinator in Robotics Team - Phoenix, UNICAMP – Campinas, SP March 2021 – Aug 2022

- Responsible for coordinating the mechanical division of the team
- Task distribution and supervision of team members; training and recruitment of new members

Projects

Enter Decision Platform, Sep 2026 Code | Demo

- AI Core contribution to a prototype for explained litigation and settlement recommendations; 1st place as a team at the Enter × UNICAMP Hackathon (SECOMP)
- Tools Used: Python, LLMs, Dashboards

Synthetic Image Detection Application github.com/tiagoperrupato/synthetic-image-detection

- Study comparing CNN, ResNet-50, and CLIP detectors for AI-generated images, with cross-benchmark evaluation and Streamlit deployment
- Tools Used: Python, PyTorch, CLIP, Streamlit, HuggingFace

.NET Desktop Application - Microsoft, UNICAMP – Campinas, SP github.com/FastFoodly/FastFoodly

- Digital menu and order management system for restaurants, developed as a course project
- Tools Used: C#, WPF, .NET, SQL, HTML

Courses

AI Technology Course - Huawei, UNICAMP – Campinas, SP Sep 2023

- Introduction Theory and Practice of AI, Machine Learning and Deep Learning
- Tools Used: Scikit-Learn, Pandas, PyTorch

Languages

Portuguese (Native) | English (Advanced, CAE - C1 Certification) | Spanish (Intermediate)