



## PERSONAL INFORMATION

✉ henriquegcorneau@gmail.com

LinkedIn: [/henriquegcorneau/](https://www.linkedin.com/in/henriquegcorneau/)

Driver's License

Nationality: Brazilian and Italian

## LANGUAGES

- Portuguese: Native
- English: Advanced (B2)
- French: Advanced (B2)
- Spanish: Beginner (A2)

## AREAS OF INTEREST

- Computer Vision
- Electronics
- Embedded Systems
- Artificial Intelligence
- Robotics

## SOFT SKILLS

- Project Management
- Adaptability
- Teamwork
- Leadership

## EXTRACURRICULAR

- Surfing
- Volleyball
- Astronomy

# Henrique Antônio GUANAIS CORNEAU

Looking for an internship in: **Computer Vision, Robotics, Embedded Systems, and Artificial Intelligence.**

## EDUCATION

### COMPUTER SCIENCE AND INFORMATION TECHNOLOGY – 4TH YEAR – FRANCE (Génie Informatique et Technologies de l'Information – 4e Année)

INSA Rouen – Normandie  
September 2025 – Present

### MECHATRONICS ENGINEERING – BRAZIL (Engenharia Mecatrônica)

Universidade Federal do Rio Grande do Norte  
March 2022 – Present

### HIGH SCHOOL TECHNICAL DEGREE IN BUILDING CONSTRUCTION – BRAZIL (Ensino Médio Técnico em Edificações)

Instituto Federal da Bahia – Campus Barreiras  
2018

## PROFESSIONAL AND ACADEMIC EXPERIENCE

### Development Internship – (2025) – EMBARCATECH/IFRN

Conception and development of products and applications in the area of Embedded Systems and Internet of Things (IoT) for companies, using microcontrollers and various sensors.

### Scientific Research (PIBIC) – (2024 – 2025) – UFRN

Development, implementation, and testing of robotic perception techniques for visual navigation applied to an autonomous sailboat.

### Drone Conception and Development – (2023 – 2025) – UFRN

Construction and programming of drones developed to perform autonomous tasks, using Computer Vision, Artificial Intelligence techniques, and the ROS system.

---

Authored and co-authored papers for the projects: [COBICET2024](#), [ECOP2025](#), [COBICET2025](#).

### Junior Company Member – (2022) – Include Engenharia/UFRN

Junior Company focused on the development of web and mobile applications in React for corporate clients.

## TECHNICAL SKILLS

### Programming Languages

(Python, C, C++, Assembly, VHDL)

### Embedded Systems

(Arduino, ESP32, Raspberry Pi, Pixhawk, FPGA, Jetson)

### CAD Software

(CREO Parametric, SolidWorks, EasyEDA, KiCad)

### Operating Systems

(Windows, Linux)

### Robot Operating System (ROS)

### Video Editing Software

(Vegas Pro, Kdenlive)