

Gabriel Nascarella Hishida

I'm a computer science student passionate about computer vision, robotics and deep learning.

CONTACT

+55 (41) 99111-9598

gabrielnhn@ufpr.br

(take a better look at my projects)

[gabrielnhn.github.io](https://github.com/gabrielnhn)

linkedin.com/in/gabriel-hishida

EDUCATION

2019 - 2023

BSc. Computer Science (GPA 90%)

Universidade Federal do Paraná

2023 - 2024*

MSc. Informatics

Universidade Federal do Paraná

Curitiba, Brazil

SKILLS

Python, C/C++, SQL

OpenCV, Pytorch, Sklearn, Kivy

Robot Operating System (1, 2)

English, Portuguese

AWARDS

RoboCore Experience 2023 Innovation Award

 Line Follower "Maquinaria Cerebral" - Innovati

PRESS/MEDIA

RoboCore Experience 2022 Highlights

([YouTube](#), the robot with a cowboy hat)

EXPERIENCE

Research Student

Laboratory of Vision, Robotics and Imaging

May 2022 – Present

- Research on 3D Gaze Estimation; calculating where people are looking in real time by using deep learning CNN models.
- Graduation thesis: "Look where you're going: Classifying drivers' attention through 3D gaze estimation" ([PDF](#))
- Pre-print "VRI-GazeNet: 3D Gaze Estimation for Real-time Applications" ([GitHub](#))

Robotics Software Developer

Yapira UFPR Robotics Team

October 2019 – July 2023

- Set up ROS2 simulations using Gazebo ([video](#)) and lectured a *Robot Operating System* workshop at the [Informatics Open Week](#).
- Used image processing to power camera-based line follower robots in competitions, participating in 8 robotics competitions (see **Awards**).
- Taught the Python programming language to elementary school students from grades 7 to 9.

Software Development Intern

Automated Guided Vehicle Solutions

February 2022 – May 2022

- Developed a cross-platform computer-vision based app using Kivy and OpenCV to scan QRcodes, scrape websites and organize financial data using Google Drive API and Sheets API.