



CONTACT

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LANGUAGES

English – Native
French – Native
Italian – B1

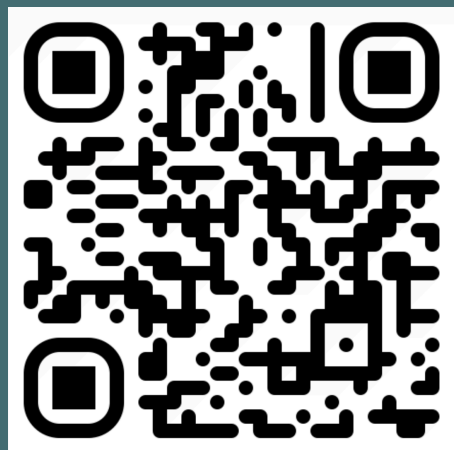
AWARDS

- Eagle in the Boy Scouts of America
- NESA STEM Scholarship
- Darcy and Robert Bingham Scholarship
- Ruck Leadership Institute Graduate

PROJECTS

- ROS OpenCV Autonomous Vehicle
- CNN Othello Player
- SACMI Tour
- FPV Drone Pilot
- Home Assistant

VISIT MY WEBSITE



Nicolas Ivan CRIDLIG

Applicant in Artificial Intelligence

EDUCATION

Master's Degree of Artificial Intelligence 2023-2025
Alma Mater Studiorum Università di Bologna ; ITALY

Bachelor's Degree of Electrical Engineering 2023
University of California, San Diego ; USA

Education Abroad Program 2021
Alma Mater Studiorum Università di Bologna ; ITALY

International Baccalaureate Diploma 2019
San Diego High School ; USA

EXPERIENCE

UniBo Motorsport ; Italy 09/23 - Current
Driverless AI Division Manager

Develop fully autonomous racing cars, by creating algorithms which run on the F1Tenth competition cars, then scaling it to the FSAE car. Use supervised and reinforcement learning to create a neural network which overtakes opponent vehicles better than classical methods. Recruit and lead other members.

Scripps Machine Listening Lab ; USA 06/22 - 09/22
Researcher

Clean and label an underwater passive acoustic monitoring (PAM) dataset for marine mammals. Code is parallelized in NumPy to process hundreds of hours of data. With PyTorch classify the echolocation clicks into ecologically significant categories, which are used to estimate species abundance.

Scripps Institute of Oceanography ; USA 10/19 - 12/22
IT Supervisor

Run the IT for an entire laboratory. Upgrade the server room with 10Gb network fiber-optic. Implement in-office to remote workflows for fifty users due to the COVID-19 crisis. Spec, deploy and repair computers for research. Teach colleagues computer hygiene. Recycle 500 hard drives and other e-waste to California environmental standards. Hire and train my replacement.

Jacobs School of Engineering ; USA 01/21 - 04/21
Instructional Assistant in Electrical Engineering

Tutor the course *Computer Engineering* whose syllabus comprises Assembly Language, CPU Design, and Branch Prediction.

Interfraternity Council at UC San Diego ; USA 12/20 - 12/21
Marketing