



CONTACT

ncridlig@gmail.com
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LANGUAGES

English – Native
French – Native
Italian – B1

AWARDS

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

PROJECTS

- **ROS OpenCV Autonomous Vehicle**
<https://guitar.ucsd.edu/maeece148/index.php/2020FallTeam5>
 - **CNN Othello Player AI**
<https://github.com/ncridlig/OthelloAI>
 - **Computer Vision at SACMI**
<https://www.youtube.com/watch?v=9pB7XvaKaRM>
 - **FPV Drone Pilot**
<https://www.youtube.com/watch?v=ulzixaiELEM>
- Home Assistant

GITHUB PAGE



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.
- Scripps Machine Listening Lab ; USA** 06/22 - 09/22
Researcher
Cleaned and labeled an underwater passive acoustic monitoring (PAM) dataset for marine mammals. Code was parallelized in NumPy to speed through hundreds of hours of data. Used PyTorch to classify the echolocation clicks into ecologically significant categories, which were used to estimate species abundance.
- Scripps Institute of Oceanography ; USA** 10/19 - 12/22
IT Supervisor
In charge of all the IT for the Marine Physical Laboratory. Upgraded the server room with 10Gb network fiber-optic. Implemented in-office to remote workflows for fifty users due to the COVID-19 crisis. Specced, deployed and repaired computers for research. Taught colleagues computer hygiene. Recycled 500 hard drives and other e-waste to California environmental standards. Hired and trained my replacement.
- Jacobs School of Engineering ; USA** 01/21 - 04/21
Instructional Assistant in Electrical Engineering
Tutored the course *Computer Engineering* whose syllabus comprised Assembly Language, CPU Design, and Branch Prediction.