

# DR. NICOLO' BRANDIZZI

PhD student at Sapienza university of Rome.

Researching Reinforcement Learning application tied to Language Emergence

"Follow the gradient"



## CONTACTS

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📍 Rome, Italy

🏠 nicofirst1.github.io

🐦 @nicofirst1

🌐 Nicolò Brandizzi

## SKILLS

### Programming

Python	●●●●●
Bash	●●●●●
LaTeX	●●●●●
Matlab	●●●●●
C++	●●●●●
HTML/CSS	●●●●●

### Frameworks

Numpy	●●●●●
Pytorch	●●●●●
Tensorflow	●●●●●
OpenCV	●●●●●

### Operating Systems

MacOS	●●●●●
Linux	●●●●●
Windows	●●●●●

### Languages

Italian	●●●●●
English	●●●●●
Spanish	●●●●●

## EDUCATION

📅 2015 - 2017

📍 Sapienza University of Rome, Italy

### B.Sc. of Computer and Autonomous System Engineering

- **GPA:** 2.97/4 (101/110)
- **B.Sc. Thesis:** "Comparison Between Segmentation Methods", under supervision of Prof. Luigi Freda.
- **Internship at Alcor Lab:** under supervision of Prof. Fiora Pirri.

📅 2018 - 2020

📍 Sapienza University of Rome, Italy

### M.Sc. of Engineering in Artificial Intelligence and Robotics

- **GPA:** 4/4 (110/110)
- **M.Sc. Thesis:** "Reinforcement Lupus: Cooperation through emergent communication in The Werewolf social deduction game", under supervision of Prof. Luca Iocchi.
- **10 months Erasmus:** University of Groningen, Netherlands.

📅 2020 - Ongoing

📍 Sapienza University of Rome, Italy

### Ph.D. in Artificial Intelligence

- **Teaching Assistant:** for *Tecniche di Programmazione* (Computer science).

## ACHIEVEMENTS, HONOURS AND AWARDS

🏆 Firsts classified for Ph.D. scholarship at Sapienza University of Rome, Italy.

🏆 Spotlight paper in Adaptive and Learning Agents Workshop [ALA21] at AAMAS.

## ⚙️ RESEARCH INTERESTS

Deep Reinforcement Learning [DRL]

Deep Neural Networks [DNN]

Vision model

Emergent Communication [Emcomm]

Natural Language Processing [NLP]

## ⇄ EXPERIENCES

📅 2021

📍 Rotaract Club RTMM, Rome, Italy

Digital Coordinator

📅 2021

📍 Rome, Italy

Erasmus Student Network [ESN] volunteer

📅 2017 – 2018

📍 Rotaract Club RTMM, Rome, Italy

President of the Internal Commission

📅 2017 – 2018

📍 Sapienza University, Rome, Italy

Internship at Alcor Lab

- Worked on the European research project [TRADR](#).
- Took part in the last review meet in Mestre, Italy.

📅 2014

📍 California, San Francisco

Summer school camp

📅 2013

📍 California, Santa Barbara

Summer school camp at UCSB

📅 2012

📍 California, Los Angeles

Summer school camp at UCLA

## ABOUT ME

### Martial Arts enthusiast

- Muay Thai: 4 years
- Krav Maga: 2 years
- Taekwondo: 1 year

### Cat lover

- His name is Sky(net)
- Dogs are ok too

### RPG aficionado

- Dungeon & Dragons
- Call of Cthulhu
- Hades
- Skyrim

### Music is life

- Playing Drums
- Chill with Reggae
- Focus on Melodic metal
- Dance to ElectroSwing

### My favorite reads

- The Withcer saga is a must
- Not afraid of Freud
- Manga collector