

DR. NICOLO' BRANDIZZI

PhD student at Sapienza university of Rome.

Researching Reinforcement Learning application tied to Language Emergence

"Follow the gradient"



CONTACTS

✉ brandizzi@diag.uniroma1.it

📍 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.

ACADEMIC CAREER

Teaching Assistant

➤ 2020/2021 - Tecniche di Programmazione

Supervised Master Students

➤ *Francesco Frattolillo*: Adaptive Playing and Opponent Modeling in Competitive Games

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] partner

 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
- Hedes
- Skyrim

Music is life

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

My favorite reads

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