

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

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🌐 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. Engineering in Computer Science

- **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- Ongoing

 Rome, Italy

Erasmus Student Network [ESN] partner


I helped with the overall organization events as well as connecting with incoming Erasmus students.

 2017 – 2018

 Rotaract Club RTMM, Rome, Italy

President of the Internal Commission

During this 12 months period I was responsible for the internal coordination between members and the organization of social events.


 2017 – 2018

 Sapienza University, Rome, Italy

Internship at Alcor Lab

- Worked for 5 months as an inter on the European research project [TRADR](#).
- Took part in the last review meet in Mestre, Italy.


 2014

 California, San Francisco

Summer school camp

I attended an English course for the duration of 3 months.


 2013

 California, Santa Barbara

Summer school camp at UCSB

I followed college classes for 3 months.

 2012

 California, Los Angeles

Summer school camp at UCLA

I followed college classes for 3 months.

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