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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in 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	●●●○○

🏳 ACHIEVEMENTS, HONOURS AND AWARDS

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

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

🏆 Winner of a research scolarship (bando per avvio di ricerca) at Sapienza University of Rome, Italy.

🏆 Elected as a member of the council of department (consiglio di dipartimento) at DIAG, Sapienza University of Rome.

🏛 ACADEMIC CAREER

Teaching Assistant

❯ *02/2020 - 12/2021* - Tecniche di Programmazione

❯ *12/2021 - Ongoing* - Tecniche di Programmazione

Supervised Master Students

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

Other

❯ *01/07/2021 - 31/08/2021* - Contratto di prestazione occasinale : technical report on "Multi agent model based reinforcement learning"

⚙ RESEARCH INTERESTS

Deep Reinforcement Learning [DRL]

Deep Neural Networks [DNN]

Vision model   Emergent Communication [Emcomm]

Natural Language Processing [NLP]

🎓 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).

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

⇄ ONGOING EXPERIENCES

📅 06/2021 - Ongoing   📍 Rome, Italy

Member of the Department Council, DIAG, Sapienza University

I was elected as a member of the Department Council where I know attend to organization matters.

📅 03/2021 - Ongoing   📍 Rome, Italy

Erasmus Student Network [ESN] partner (socio)

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

📅 04/2018 - Ongoing   📍 Rome, Italy

Rotaract Club RTMM partner (socio)

I'm an active member of the club, supporting events and organization.

← PAST EXPERIENCES

📅 06/2017 - 06/2018   📍 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.

📅 09/2017 - 06/2018   📍 Sapienza University, Rome, Italy

Internship at Alcor Lab

- Worked as an inter on the European research project TRADR.
- Took part in the last review meet in Mestre, Italy.

📅 06/2014 - 09/2013   📍 California, San Francisco

Summer school camp

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

📅 06/2013 - 09/2013   📍 California, Santa Barbara

Summer school camp at UCSB

I followed college classes for 3 months.

📅 06/2012 - 09/2012   📍 California, Los Angeles

Summer school camp at UCLA

I followed college classes for 3 months.