



Francesco Chiariello

WORK EXPERIENCE

[01/2019 – 09/2019]

Research Assistant

Alcor Lab

City: Rome

Country: Italy

Winner of a research scholarship from the Department of Computer, Control and Management Engineering at Sapienza. Developing Deep Reinforcement Learning algorithms for the search of tools in an unstructured industrial environment for the Horizon 2020 SecondHands project.

[09/10/2018 – 21/12/2018]

Visiting Researcher

Ocado Technology

City: Hatfield, Hertfordshire

Country: United Kingdom

Winner of an International Thesis Scholarship from the Faculty of Information Engineering, Informatics, and Statistics at Sapienza. Working in the Robotics Team at Ocado to integrate Automated Planning capabilities on a robotic system employed in a warehouse.

EDUCATION AND TRAINING

[01/11/2019 – Current]

PhD (Engineering in Computer Science)

Sapienza University of Rome

Focusing on problems involving temporal logic specifications, such as the ones in Declarative Process Mining, and using an array of different techniques (in particular Declarative Problem Solving) to approach them.

[04/01/2022 – 30/06/2022]

Freemover (Computer Science)

University of Potsdam

Attending advanced courses and seminars in Declarative Problem Solving, with a focus on Answer Set Programming.

[28/10/2019 – 20/12/2019]

School of Artificial Intelligence

Pi School <https://picampus-school.com/>

Winner of a full scholarship, sponsored by Octo Telematics, for developing AI-based techniques that improve vehicle fuel level estimation using telematics data.

[09/09/2019 – 18/10/2019]

Data Analyst Academy

Randstad Technologies Italia

Modules include: SQL; PL/SQL; Web Development; Ontologies; DWH and BI; NoSQL and Hadoop; Data Science

[28/05/2019]

Master's degree (Artificial Intelligence and Robotics)

Sapienza University of Rome

Final grade: 110 with honors/110

Thesis: Visual Search for Mobile Robots via Deep Reinforcement Learning

Developed projects include: document classification, word sense disambiguation, semantic role labeling, image captioning, hashtag recommendation, activity recognition, goal recognition as planning, learning-based visual control, admittance/impedance interaction control based on virtual fixture.

[21/06/2016]

Bachelor's degree (Mathematics)

Final grade: 110 with honors/110

Thesis: RSA - un sistema di crittografia a chiave pubblica

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Spanish

LISTENING B2 **READING** B2 **WRITING** A2

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

PUBLICATIONS

[2022] [**A tool for compiling Declarative Process Mining problems in ASP**](#)

Reference: Software Impacts, volume 14

[2022] [**ASP-Based Declarative Process Mining \(Extended Abstract\)**](#)

Reference: Proceedings of the 38th International Conference on Logic Programming (Technical Communications)

[2022] [**ASP-Based Declarative Process Mining**](#)

Reference: Proceedings of the Thirty-Sixth AAAI Conference on Artificial Intelligence

[**Process mining meets model learning: Discovering deterministic finite state automata from event logs for business process analysis**](#)

Reference: Information Systems Volume 114, March 2023, 102180