

Jacopo Pio Gargano

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Research Interests

Fields Artificial Intelligence, Algorithmic Game Theory, Causal Inference

Focus Abstractions in large extensive-form games, ML applied to strategy determination

Work Experience

Data Scientist

Amazon Web Services

Luxembourg

Jul 2020 – Present

Teaching Assistant

Politecnico di Milano

Milano, Italy

Oct 2019 – Jun 2020

Courses Software Engineering I - prof. G. Cugola | Software Engineering II - prof. E. Di Nitto

Software Engineer

Infoservice s.r.l.

Milano, Italy

Jul 2018 – Feb 2020

Cross-Platform Mobile App Developer Intern

Cegeka SpA

Milano, Italy

Jul 2016 – Sep 2016

Research Experience

Honours Programme – Scientific Research in Information Technology

Politecnico di Milano

Milano, Italy

Jul 2019 – Oct 2020

Advisor prof. N. Gatti

Field Algorithmic Game Theory

Focus Abstractions in Large Extensive-form Games

Alta Scuola Politecnica - XV Cycle

Politecnico di Milano | Politecnico di Torino

Milano, Italy

Feb 2019 – Feb 2021

Advisor prof. S. Comai

Focus Enhancing Alzheimer's patients social interactions through Machine Learning

Education

M.Sc. – Computer Science and Engineering | 110 cum laude

Politecnico di Milano

Milano, Italy

Sep 2018 – Oct 2020

Focus Artificial Intelligence and Machine Learning

Thesis Regret-based Traces-Exploration Abstractions for Large Game Solving

B.Sc. – Computer Science and Engineering | 110 cum laude

Politecnico di Milano

Milano, Italy

Sep 2015 – Jul 2018

Thesis Virtualization of "Sagrada" by Floodgate Games

ERASMUS Exchange Program – UCL University College London – 2017

Publications

- C1 Bellini G. et al., *Alzheimer's Garden: Understanding Social Behaviors of Patients with Dementia to Improve Their Quality of Life*. In Proceedings of the 17th International Conference on Computers Helping People with Special Needs. ICCHP, 2020.

J1 Bellini G. et al., *Understanding Social Behaviour in a Health-Care Facility from Localization Data: A Case Study*. In *Sensors*, 2021.

Honours and Awards

Alumni PoliMi Circle	Politecnico di Milano
Award for being among the top 8 students of Politecnico di Milano in Engineering	2018-2020

Amount: 20.000€

Academically Outstanding Non-residential Student	Politecnico di Milano
Award for being among the top 130 non-residential students of Politecnico di Milano	2016-2018

Amount: 10.000€

Best Freshman	Politecnico di Milano
Award for being among the top freshmen of Politecnico di Milano	2016

Amount: 1.500€

Other Experiences

Google Developer Student Club Speaker	Milano, Italy
<i>Google DSC Politecnico di Milano</i>	Nov 2020

Microsoft Student Ambassador	Milano, Italy
<i>Microsoft</i>	Jan 2020 – Dec 2020

Italian Youth Ambassador	Milano, Italy
<i>Global Youth Parliament</i>	Sep 2019 – Present

AFS Intercultura Volunteer	Milano, Italy
<i>President of Local Chapter of Milano</i>	Sep 2014 – Sep 2020

IDEA League Challenge Programme	Europe
<i>ETH Zurich TU Delft RWTH Aachen PoliMi CUT Chalmers</i>	Oct 2018 – Apr 2019

AFS Intercultural Exchange Program	Maryland, USA
<i>Howard High School</i>	Sep 2013 – Jul 2014

Recent Projects

Artificial Emotional Intelligence	Politecnico di Milano
<i>Integrating Irrationality in Moral Rational Agents</i>	2020

Covid-19 Hand Sanitizer Marketing Strategies	Politecnico di Milano
<i>Dynamic Pricing and Advertising pre/during/post Covid-19</i>	2020

Ita-Lip	Politecnico di Milano
<i>Lipreading Italian words through Transfer Learning and seq2seq - Deep Learning</i>	2019

Programming Languages and Frameworks

Python, TensorFlow, C, Java, C#, .NET, JavaScript, AWS, Xamarin

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