

Irene Cannistraci

PH.D. STUDENT IN COMPUTER SCIENCE

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Education

Sapienza University of Rome

PH.D. IN COMPUTER SCIENCE

Rome, Italy

Nov 2020 - present

- Supervisor: Prof. D. Avola (VisionLab)
- Collaboration: Prof. E. Rodolà (GLADIA)

Sapienza University of Rome

M.S. IN COMPUTER SCIENCE - GRADUATED WITH 110/110 CUM LAUDE

Rome, Italy

Sept 2018 - Oct 2020

- Thesis: Time-Aware Sequential Deep Learning and Their Application in Healthcare
- Supervisor: Prof. Paola Velardi

Sapienza University of Rome

B.S. IN COMPUTER SCIENCE

Rome, Italy

Sept 2014 - Mar 2017

Work Experience

Fondazione Mondo Digitale

COACH

Rome, Italy

Jun 2020 - present

- Online coding lessons for high-school students for CO.ME.SE (COde&FraME for Self Empowerment) and CodinGirls Projects.

NTT Data

SOFTWARE DEVELOPER ENGINEER

Rome, Italy

Jun 2017 - Feb 2019

- RESTful APIs - Telecom
 - Develop a microservices architecture to revise an outdated monolithic platform for messaging. Scalability and high reliability were guaranteed by the Openshift platform, meanwhile real-time tracking and quick troubleshooting by Elasticsearch.
- Internal Portals (ServiceNow) - Enel
 - eProfile: employees use the service to create their profiles, insert their job-related information, and apply to open internal positions.
 - OneClick: employees adopt it to open issue tickets, request devices, software licenses, etc.
 - Global Travel: employees adopt it to insert travel requests.

Awards and Scholarship

Mar. 2022 **2021 Zonta International Women in Technology Scholarship**, Zonta International

Nov. 2021 **JPMorgan ICAIF Fellowship**, JPMorgan Chase & Co.

Oct. 2021 **Festival Informatici Senza Frontiere Scholarship**, Aused

Jan. 2020 **Student-Collaboration Scholarship**, La Sapienza

Sept. 2014 **Lazio DiSCo Scholarship**, DISCO Lazio - Regional Body for Right to Education and Knowledge

Projects Selection

A YouTube Player for Everyone

UNIVERSITY PROJECT

Rome

A.Y. 2019/2020

- A YouTube player designed and implemented to be accessible by deaf users, combining biometric and multimodal methodologies. Users can log in through a facial identification system, and an emotion recognition algorithm suggests playlists based on their mood. Then the user can interact with the player by using hand gestures and/or voice commands.

BAS2Net

UNIVERSITY PROJECT

Rome

A.Y. 2019/2020

- Developing a new model that combines two state-of-the-art works in the Salient Object Detection field (BasNet and Res2Net). The resulting model requires 40% less training time, leading to better results on several datasets. Moreover, the proposed neural network is half the size of the original one.

Cervical Cancer Biopsia Response Classification

UNIVERSITY PROJECT

Rome

A.Y. 2019/2020

- Development of several machine learning algorithms to detect cervical cancer based on the Biopsia response, using the Cervical cancer (Risk Factors) dataset.

Talks

Invited Talk at Sapienza School of Advanced Studies (SSAS)

COURSE OF INTRODUCTION TO PROGRAMMING WITH PYTHON (PROF. E. RODOLÀ)

Virtual

Feb 2022

Invited Panelist for WiDS Rome Event [↗](#)

WOMEN IN DATA SCIENCE ROME EVENT

Virtual

Jun 2021

Invited Talk for Data Science Innovation in Diabetes Webinar

REAL DATA ARE OFTEN DIRTY DATA: PROBLEMS WITH THE ANALYSIS OF LARGE COLLECTIONS OF ELECTRONIC HEALTH RECORDS

Virtual

Jun 2021

Attended Conferences, Summer Schools and Workshops

Mar 2022 **GTC 2022** [↗](#), AI Developer Conference

Virtual

Nov 2021 **DI Doctoral WS 2021** [↗](#), Sapienza CS Doctoral Workshop 2021

Bertinoro

Nov 2021 **ICAIF'21** [↗](#), 3rd ACM International Conference on AI in Finance

Virtual

Sept 2021 **NoBIAS Summer School 2021** [↗](#), Artificial Intelligence without Bias

Virtual

Jul 2021 **DeepLearn 2021 Summer** [↗](#), 4th International School on Deep Learning

Virtual

Apr 2018 **Codemotion** [↗](#), Codemotion Rome 2018 Tech Conference

Rome

Professional Activities / Academic Service

Tutor

UNITELMA SAPIENZA

Nov 2021 - present

- Help students learn more about the university and provide an interface between them and the professors.

Reviewer for

ACM TRANSACTIONS ON KNOWLEDGE DISCOVERY FROM DATA (TKDD) - JOURNAL

Oct 2021

Collaboration with Sapienza Flight Team

SAPIENZA AEROSPACE STUDENT ASSOCIATION-AIAA STUDENT BRANCH

Dec 2019

- Developing a neural network for object detection and classification for the AUVSI SUAS 2020 Competition.