Marta Marchiori Manerba

MASTER STUDENT IN DIGITAL HUMANITIES - LANGUAGE TECHNOLOGIES

Born in Mantova, Italy, on 11/3/96 •
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RESEARCH AND WORK EXPERIENCE

AIUCD2021 - **Assistant moderator** during the talk sessions
20-22 JANUARY 2021

Digital Humanities group, Fondazione Bruno Kessler - **Traineeship**
▸ Fairness analysis for abusive language detection systems detecting unintended models biases with CheckList: creation of synthetic linguistic data to test a range of social prejudices (e.g. sexism, racism and ableism) in Hate-Speech classifiers, to avoid the amplification of pre-existing stereotypes towards socially discriminated categories
OCTOBER - DECEMBER 2020

University of Pisa - **Academic Tutor** of the course *Programming and Theoretical Fundamentals*
▸ Assistance during the laboratory: preparing exercises and assignments, helping students with coding during classes, clarifying basic constructs and concept in Javascript
OCTOBER - DECEMBER 2020

Institute of Computer Science and Telematics, CNR of Pisa - **Traineeship** in *Assistive Technology for Education*
▸ Mapping and categorization of ICT resources to support cognitive training through the construction of an inventory of tools available on the internet; Implementation of a digital catalogue to make the collection usable
MAY - SEPTEMBER 2018

EDUCATION

Knowledge Discovery and Data Mining Laboratory: Ethical, Trustworthy, Interactive AI - **On-going Master's thesis project**
▸ Within the field of *Explainable Artificial Intelligence* (XAI). Supervisor: Professor Riccardo Guidotti
JANUARY 2021 - IN PROGRESS

European Information Science Education - **Summer School on Information Science** in Osijek (Croatia)
1-7 SEPTEMBER 2019

RESEARCH INTERESTS

NLP; XAI; Fairness in ML; Algorithmic bias; Algorithmic Auditing; Digital Discrimination

SKILLS

Coding: Python (especially for Natural Language Processing), JavaScript, JAVA, PHP. Other: HTML, CSS, SQL, XML

Softwares: in-depth knowledge of teaching tools and methodologies for **e-learning** through **Moodle**, WordPress, Adobe suite (InDesign, Illustrator), GreenStone for Digital Libraries

Professional **writing** skills in editing and publishing (eBooks, press releases)

LANGUAGES

British School Livorno - **First Certificate in English (FCE). Passed at Grade A (C1 CEFR Level)** obtained in May 2019

PROJECTS

I have gathered on my website relevant projects carried out during university

University of Pisa - **Master's Degree** in Digital Humanities: Language Technologies
FEBRUARY 2019 - IN PROGRESS

University of Pisa - **Bachelor's Degree** in Digital Humanities
▸ Thesis project carried out in the field of *Assistive Technology for Education:* development of a website for the research of tools and ICT (Information and Communications Technology) resources to support cognitive training*.* Mark: 109/110
OCTOBER 2015 - FEBRUARY 2019

Higher Institute of Music Studies "Pietro Mascagni" of Livorno - **Graduation in Transverse Flute**
FEBRUARY 2016

Liceo Classico Niccolini Guerrazzi of Livorno - **High School diploma**
JUNE 2015

PAPERS IN PREPARATION

Sara Tonelli, Marta Marchiori Manerba (2021): Fairness analysis for abusive language detection systems with CheckList
▸ to be submitted to Workshop on Online Abuse and Harms (WOAH)

Riccardo Guidotti, Marta Marchiori Manerba (2021): Local Explainer for Fairness in Hate-Speech Classification
▸ to be submitted to NeurIPS 2021

CONFERENCES, FESTIVALS, SEMINARS

King's College London AI Society with Microsoft Student Ambassadors
The Carbon Footprint of AI
9 MARCH 2021

ACM FAccT *Conference on Fairness, Accountability, and Transparency* - Attendance to Tutorials and CRAFTS Sessions
4 - 5 MARCH 2021

CLIC-IT 2020 *Seventh Italian Conference on Computational Linguistics*
1 - 3 MARCH 2021

Trieste Next - Scientific Research Festival *The future of science and humans in the age of augmented intelligence* - Participation at the Academy Program
27-29 SEPTEMBER 2020

Informatici Senza Frontiere (*Computer scientists without frontiers*) - Festival attendance
▸ Topics addressed: *computer literacy, ethical computing, sustainability, assistive technologies for disability*
12-14 OCTOBER 2018 (ROVERETO, ITALY)

MEMBERSHIPS

Associazione Italiana di Linguistica Computazionale (Italian Association of Computational Linguistics)
FEBRUARY 2021 - DECEMBER 2021

Associazione per l'Informatica Umanistica e la Cultura Digitale (Association for Digital Humanities and Digital Culture)
JANUARY 2021 - DECEMBER 2021

OTHER MEMBERSHIPS

Supporter of Algorithmic Justice League
2020 - IN PROGRESS

LIBERA (Organisations, names and numbers against mafias)
FEBRUARY 2021 - DECEMBER 2021

FAI (Italian Environment Fund) - Non-profit foundation with the aim of protecting and enhancing Italy's historical and artistic heritage
MARCH 2019 - IN PROGRESS

COURSES

University of Helsinki, <u>Elements of AI</u> and <u>Ethics of AI</u> - Online courses attendance
‣ Courses aimed at building AI literacy (both from a theoretical and practical point of view) and developing critical thinking about the ethical aspects of AI and AI ethics as a discipline
JANUARY 2021

<u>Eduopen Network with Ca' Foscari University of Venice</u>, Language, gender identity and Italian - Online course attendance
‣ Course aimed at developing competencies on morphological, syntactic and semantic properties of Italian, to make conscious and motivated linguistic choices in order to respect equal gender opportunities
DECEMBER 2020

<u>Samsung Innovation Camp</u> - Online course attendance
‣ Topics addressed: *marketing, communication, business, data analytics, innovative use of technology, privacy and online security*
OCTOBER - DECEMBER 2019

VOLUNTEERING AND OTHER EXPERIENCES

<u>KRINO</u> - Cultural association that organizes panels, workshops and events within the field of Digital Humanities, with the aim of integrating and contaminating sciences and humanities
-   Active participation in projects of critical divulgation of topics such as: computational thinking, datafication, digital culture, demystification of AI systems, digital art, live coding
-   Collaborative and collective writing and editing of posts, articles, newsletters
-   Internal training sessions
NOVEMBER 2019 - IN PROGRESS

<u>AGESCI</u> (Association of Italian Guides and Scouts) - Scout educator
-   Organisational and coordination skills; ability to work in teams and on projects
-   Communication and relational skills developed as educator; aptitude for listening and confrontation
SEPTEMBER 2017 - IN PROGRESS