

# 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**: take a look!

University of Pisa - **Master's Degree** in Digital Humanities: Language Technologies

► This academic course builds skills such as the creation and use of tools for searching, extracting and managing information contained in texts; development of interfaces and linguistic resources

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

## CONFERENCES, SEMINARS, FESTIVALS

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 - Festival della Ricerca Scientifica "*Big Data, Deep Science: 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)

## COURSES, WORKSHOPS

University of Helsinki, Elements of AI and Ethics of AI - 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

## ACADEMIC WRITINGS

I wrote a **post on the blog of Digital Humanities Group at FBK**, titled Algorithmic discrimination, between human biases and automatic decisions, at the end of the internship there. It was really a chance to refocus and discover how passionate I am about these topics (it's in Italian, I will translate it soon)

## 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

Eduopen Network with Ca' Foscari University of Venice, 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

Samsung Innovation Camp - 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**

KRINO - 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

AGESCI (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

IN THE SCOUT GROUP LIVORNO 10°, 2017 - IN PROGRESS