

# Luca Pezzini

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## Education

- PhD student in Humanities** January 2022 – present  
University of Turin  
Project: *Culture of recycling, storytelling, performative arts*  
Supervisor: Prof. Alessandro Perissinotto  
*My doctoral research concerns the application of storytelling to science communication in the ecological field, particularly as it relates to waste management and circular economy. My research interests include computational narratology through machine learning/Artificial Intelligence, data rhetorics and the reception of scientific discourse.*
- Master of Science in Mathematics** September 2017 – July 2021  
110/110 cum laude | University of Turin  
Thesis: *Diagrammatic techniques in knotted surfaces theory*  
Supervisor: Prof. Alberto Albano
- Percorso formativo 24 CFU** January – July 2020  
CIFIS Piemonte – University of Turin
- Bachelor of Science in Mathematics** September 2014 – July 2017  
University of Turin  
Thesis: *Unknotting number and additivity under connected sum in knot theory*  
Supervisor: Prof. Alberto Albano
- High school diploma** July 2014  
Liceo Classico Massimo d'Azeglio

## Language skills

- Italian (first language), English (C1)
- IELTS Academic C1 Certification** 23 June 2021  
7.5 | British Council

## Computer skills

- Programming languages: C++ (fair), Python (good), R (fair)
- Markup:  $\LaTeX$  (excellent)
- Microsoft Office: Excel (good), PowerPoint (excellent), Word (excellent)
- Digital technologies for mathematics education: MapleTA (excellent), Moodle (good)
- 3D and digital art software: Blender (good), Krita (excellent)

## Work experiences

- Sea Marconi Technologies s.a.s.** September 2022 – present  
Consultant  
*My position as a PhD student is co-funded by Sea Marconi under the FSE REACT-EU scheme (Action IV.5, PON "Ricerca e Innovazione" 2014-2020) for green research topic. I collaborate as a consultant on communication projects and dissemination events, with a focus on storytelling techniques.*
- Scuola dei Compiti** March – May 2016  
Tutor | [Progetto Scuola dei Compiti](#)  
*The project aims to combat early school leaving. Digital technologies for mathematics education and online tools have been used in conjunction with face-to-face tutoring.*

## Teaching

- **Storytelling A and B (Department of Humanities)** January – July 2022  
Tutor | University of Turin  
*Storytelling A and Storytelling B courses (Prof. Alessandro Perissinotto).* Turin
- **Excellence Track (Department of Mathematics G. Peano)** March – April 2022  
Tutor | University of Turin  
*Extra curricular program on advanced topics in mathematics.* Turin

## Organizing

- **Miti di fondazione** 1 July 2023 – 31 July 2024  
Co-organizer | University of Turin  
*“Terza missione” dissemination project aimed at students from elementary to high school.* Turin
- **Quattro fiabe per l’economia circolare** 3-6 September 2022  
Co-organizer with Sea Marconi Technologies | Collegno Folk Festival  
*Dissemination event on circular economy aimed at general public. The event is part of the project “BioEnPro4TO – Smart Solutions for Smart Communities”.* Collegno
- **Cats@Peano** October – December 2019  
Co-organizer | [OpenLab](#) at University of Turin  
*Reading group in category theory and applications.* Turin
- **Introduction to Kan Extensions** 16 December 2019  
Speaker: Stefano Ariotta (Westfälische Wilhelms-Universität Münster)  
Co-organizer | University of Turin Turin

## Selected seminar talks

- **L’AI te lo legge in faccia. Fisiognomica macchinica tra decodifica aberrante e retorica dei dati** 20 October 2023  
**The AI can read it in your face.**  
**Machine physiognomics between aberrant decoding and data rhetorics**  
FACETS Advanced Seminar in Philosophy of Communication Turin
- **Eco-villain. Costruzioni narrative dell’ambiente e dei suoi nemici** 15 September 2023  
**Eco-villain. Narrative constructions of the environment and its enemies**  
*“L’ambiente e la sua cura” conference, University of Turin* Turin
- **Il sonno dell’AI genera mostri. Filtri convoluzionali e pareidolia algoritmica** 14 April 2023  
**The Sleep of AI Produces Monsters. Convolutional filters and algorithmic pareidolia**  
[\(watch on YouTube\)](#)  
FACETS Advanced Seminar in Philosophy of Communication Turin
- **Anti-natura contro: materialità e abiezione del rifiuto** 2 December 2022  
**Anti-natura contro: materiality and abjection of waste**  
50° Congress of AISS (Italian Association of Semiotic Studies) Palermo
- **Sulla narratologia computazionale** 27 October 2022  
**On computational narratology**  
University of Turin Turin
- **Il formale oltre il concreto. Storytelling del rigore e black-box epistemologiche** 23 March 2022  
**The formal beyond the concrete. Rigor storytelling and epistemological black boxes**  
University of Turin Turin

- **Gödel's solution to Einstein field equations** 21 January 2021  
University of Turin Turin
- **Cellular automata and computability** 25 January 2019  
University of Turin Turin

## Selected projects, workshops and competitions

- **NLP and scraping** January – May 2022  
Machine Learning Journal Club Turin
- **“EO Dashboard Hackathon” competition** 23–29 June 2021  
MLJC & EO Dashboard Hackaton Turin  
*My team's project focused on the impact of CoViD pandemic on air quality in different countries, performing both a time-oriented analysis on time series and a geography-oriented one, via unsupervised ML techniques. The project was among the global finalists.*
- **NLP and Social Sciences** March – July 2021  
Machine Learning Journal Club Turin  
*Natural Language Processing with applications to real-world problems.*
- **“NeuroHackathon 2021” competition** 23–24 May 2021  
MLJC & Neurotechnology Scientific Students Club, Toruń (Poland) online  
*My team proposed a neurofeedback protocol and designed a minimalist and easy-to-use device to implement it, in order to self-diagnose and treat negative psychological effects of social isolation in elderly people. The project was awarded the third prize.*
- **SAS Programming: Essentials** 18 May 2021  
SAS & University of Turin online
- **Coding from nand to hack** February – May 2019  
OpenLab at University of Turin Turin

## Publications

- **Il sonno dell'AI genera mostri. Filtri convoluzionali e pareidolia algoritmica** 2023  
accepted for publication
- **Monsters of the Waste-land. Materialità e abjection dei rifiuti** 2023  
accepted for publication