Luca **Corbucci**

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About Me

I am a third-year PhD student in Computer Science working on **Responsible AI**. I co-founded two **communities** and I currently host a podcast with over 200 episodes. I enjoy public speaking and have given talks at conferences such as PyCon Italy and Codemotion.

Education

University of Pisa
Pisa, Italy

DOCTOR OF PHILOSOPHY (PH.D.) IN COMPUTER SCIENCE
Nov. 2021 - Ongoing

- Won a 3-year fully funded Ph.D. scholarship to work on **Privacy-Preserving and Fair Federated Learning**.
- **Supervisors:** Prof. Anna Monreale and Dr. Nicolas Kourtellis.
- Supervised 2 students during their master thesis. Tutored the course "Programming and Algorithmics" for three semesters.

University of Pisa
Pisa, Italy

M.SC. IN COMPUTER SCIENCE - CURRICULUM: "DATA AND KNOWLEDGE: SCIENCE AND TECHNOLOGIES"
Oct. 2018 - Jun 2021

- **Final Grade:** 110/110 Cum Laude - **Supervisors:** Prof. Anna Monreale and Dr. Cecilia Panigutti.
- **Thesis:** "Semantic enrichment of XAI explanations for healthcare". Published at DS2023. The code is on GitHub.

Technical University of Munich
Munich, Germany

COMPUTER SCIENCE - ERASMUS+ STUDY
Oct. 2019 - Mar. 2020

- Won 5-month Erasmus+ Study grant
- **Courses:** Machine Learning, Basic Mathematical Tools for Imaging and Visualization, Practical Course: Cloud Databases.

University of Pisa
Pisa, Italy

B.SC. IN COMPUTER SCIENCE
Sep. 2014 - Oct. 2018

- **Thesis:** "Construction and Analysis of the Ethereum Transaction Graphs". The code is on GitHub.

Work Experience

Telefónica R&D
Barcelona, Spain

RESEARCH INTERN
Mar. 2023 - Mar. 2024

- Worked on Private and Fair Federated Learning under the Spatial EU Project. **Submitted a paper and an application for a patent**.
- Supervised by Dr. Nicolas Kourtellis, Dr. Mikko A Heikkilä and Dr. David Solans

University of Pisa
Pisa, Italy

RESEARCH ASSISTANT
Jun. 2021 - Oct. 2021

- Won a research scholarship to work on the semantic enrichment of Explainable AI methods for healthcare. **Published at DS2023**.

Ticket
Pisa, Italy

FLUTTER DEVELOPER - TECH STACK: FLUTTER, DART, PYTHON, FLASK
Mar. 2020 - Jan. 2021

- Developed a mobile app released on the iOS App Store and Google Play Store. More than **20k users** have downloaded and used the app.

Publications

Oct 2023	**L. Corbucci**, A. Monreale, C. Panigutti, M. Natilli, S. Smiraglio, D. Pedreschi, **"Semantic enrichment of explanations of AI models for healthcare"** - Accepted at Discovery Science 2023	*Porto, Portugal*
Jul 2023	**L. Corbucci**, R. Guidotti, A. Monreale, **"Explaining Black-Boxes in Federated Learning"** - Accepted at xAI 2023	*Lisbon, Portugal*

Extracurricular Activity

Superhero Valley 🔗
Pisa, Italy

CO-FOUNDER AND COMMUNITY MANAGER
Oct. 2020 - Ongoing

- Co-founded a community of **2000+** computer scientists supported by big-tech employees and Italian universities
- Supervised a team of five helpers in organising community activities and events.
- Organized motivational talks, mock technical interviews and study groups. Several community members got internships or full-time positions in Big Tech companies thanks to our activities.

PointerPodcast 🔗
Pisa, Italy

CO-CREATOR AND PODCASTER
May. 2019 - Ongoing

- Developed PointerPodcast's website and infrastructure. Recorded more than **200 episodes** with guests from both industry and academia.

Pisa.dev 🔗
Pisa, Italy

CO-FOUNDER AND CORE ORGANIZER
Jul. 2022 - Ongoing

- Co-founded Pisa.dev, a community for developers based in Pisa. Organized **10+ meetups and social events** in the first year of activity.