

LUCA CORBUCCI

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WORK EXPERIENCE

Research Assistant

University of Pisa

June 2021 - October 2021 Pisa, Italy

- Won a research scholarship to continue the development of my master's thesis project.
- Worked on the extension of XAI methods for healthcare.

Flutter Developer

Tocket

March 2020 - January 2021 Remote

Tech Stack: Flutter, Dart, Python, Flask

- Developed the MVP Tocket's application using Flutter.
- Improved application performances reducing janks.

PROJECTS

University: Flu Shot Learning: Predict H1N1 and Seasonal Flu Vaccines

Tech Stack: Python, Keras, Lime, Streamlit

- Developed a Big data analytics project composed of data understanding, models construction and interpretation. Worked in a team of 4 students.

University: Real or Not? NLP with Disaster Tweets

Tech Stack: Python, Keras

- Developed a NLP model to predict which tweets are about real disasters and which are not. Worked in a team of three people.

University: Cloud Database Practical Course

Tech Stack: Java

- Three-person course project developed with international students.
- Designed, developed and evaluated a distributed database.

EXTRACURRICULAR ACTIVITY

Founder and Podcaster

PointerPodcast

May 2019 - Ongoing

Tech Stack: Docker, Hugo, GitHub Actions

- Recorded more than 110 episode where we interviewed several software engineers and researchers from both academia and industry.

Founder and Community Manager

SuperHeroesValley

October 2020 - Ongoing

- Co-founded a community with more than 1300 people supported by a Google engineer and the University of Pisa.
- We organised motivational talks, mock interviews and exercise groups.

EDUCATION

University of Pisa

PhD in Computer Science

November 2021 - Present

Main topics: Federated Learning, Privacy Preserving Machine Learning

University of Pisa

M.S. Computer Science

Thesis: Semantic enrichment of XAI explanations for healthcare

October 2018 - June 2021

Final Grade: 110/110 Cum Laude

Relevant Courses: Algorithm Engineering, Data Mining, Natural Language Processing, Advanced Databases, Big Data Analytics

Technical University of Munich

International Exchange

October 2019 - March 2020

Relevant Courses: Machine Learning, Advanced Practical Course Cloud Databases

University of Pisa

B.S. Computer Science

Thesis: "Construction and Analysis of the Ethereum Transaction Graphs"

September 2014 - October 2018

Relevant Courses: Data Structure and Algorithms, Operating Systems, Linear Algebra, Discrete Math, Database

SKILLS

OS: MacOS, Linux

Coding: Python, Java, Dart/Flutter, C

VCS: Git

Languages:

- Native Italian Speaker
- Fluent in English

AWARDS

hackaTUM - Official TUM Hackathon.

November 2019 Munich

- Microfuzzy's challenge, 3rd Place
- Worked in a team of four international students
- Developed a system to convert our body movement to sound and compose music