

Giuseppe Federico

About Me

I am a PhD student in Computer Science at the Free University of Bozen-Bolzano, Italy. I hold a Master's degree in Mathematics from the University of Trento (Advanced Mathematics curriculum). During my Master's studies I developed a strong interest in logic, taking courses in Mathematical Logic, Set Theory and Model Theory. My Master's thesis, *Aspects of Modal Logic*, discusses Solovay's two theorems (related to provability in Peano Arithmetic) and the study of Linear Temporal Logic (LTL). I am currently working in the field of ontologies, more specifically in ontology embeddings.

Education

PhD in Computer Science <i>Free University of Bozen-Bolzano, Italy</i>	2025 – present
Master's Degree in Mathematics <i>University of Trento, Italy</i>	a.y. 2022 – 2024
- Related coursework: Mathematical Logic, Model Theory, Set Theory, Foundations of Geometry - Thesis: <i>Aspects of Modal Logic</i>	
Bachelor's Degree in Mathematics <i>University of Trento, Italy</i>	a.y. 2019 – 2022
Thesis: <i>Mappe razionali e scoppiamenti lungo sottovarietà</i> (Rational maps and blow-ups along subvarieties)	
Scientific High School Diploma <i>Liceo Scientifico G. Galilei, Pescara, Italy</i>	2014 – 2019

International Experience

Erasmus Exchange <i>Universidad Alfonso X el Sabio, Madrid, Spain</i>	Sep 2023 – Feb 2024
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Skills

Programming	MATLAB, Python
Languages	Italian (native) English (B2, certified by the University of Trento) Spanish (A2, certified by Universidad Alfonso X el Sabio)

Certifications & Awards

- Foundational Data Analysis – Ironhack (2023)
- Bronze Medal – Italian Mathematical Olympiad (2019)