

Maria Francesca Bocchi

PhD Candidate in Cultural Heritage in the Digital Ecosystem

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BIO My research investigates digital annotation of images as a scholarly practice grounded in theories of intermediality. I specialize in ontology design for representing multimodal documents. Currently, my work focuses on the phenomenon of ekphrasis as a complex combination of text and image, which I analyze using digital methodologies.

CAREER AND EDUCATION

PhD in *Cultural Heritage in the Digital Ecosystem* | 2023-due soon
University of Bologna

Image annotation workflows for digital libraries and archives; ontology engineering; knowledge representation of intermediality and multimodality in the digital environment.

Visiting Researcher | April-October 2025

Service numérique de la recherche (SNR) - Institut national d'histoire de l'art (INHA),

Teaching Assistant in Basic Informatics | 2023-ongoing

University of Bologna

MA in Digital Humanities and Digital Knowledge | 2023-ongoing

University of Bologna

Research Assistant Digital Humanities Lab | Sept. 2022-March 2023

Bibliotheca Hertziana - Max Planck Institute for Art History

- Drafting of specifications for the development of systems to support the curatorial workflow of the library's digital publications, with a focus on IIIF images and annotations.
- Redesign of the website (HTML, CSS) of the digital edition of Heinrich Wölfflin's works.

MA in Visual Arts (*with honors*) | 2019-2022

University of Bologna

Thesis *Raccontare il mito di Apollo e Dafne nell'arte attraverso le metodologie digitali: una proposta di modello alla luce del progetto Iconos*, supervised by Francesca Tomasi.

BA in Humanities | 2016-2019

University of Bologna

RELEVANT ACADEMIC ACTIVITIES

Organization of Doctoral Seminars | Nov. 2025

University of Bologna

Seminars: *Building Knowledge Landscapes Across the Digital Humanities: /DH.arc & DHLab in Dialogue*, 5-7 Nov. 2025, Bologna. Managed scientific curation, logistics, and communication.

Panel Chair at the conference *Digital Publishing for Art History* | Oct. 2025

Bibliotheca Hertziana - Max Planck Institute for Art History

Conference: *Digital Publishing for Art History*, 23-24 Oct. 2025, Rome. Panel "Workflows for Digital Publishing", 23 Oct. 2025.

FELLOWSHIPS, GRANTS & AWARDS

Scholarship for the Summer School "Digital Humanities for Art History" | June 2022

Awarded by the Department of Excellence of Human Sciences, University of L'Aquila.

SELECTED CONFERENCES AND TALKS

- 2026** "L'annotazione semantica tra testo e immagine: strumenti e pratiche per un'ermeneutica digitale". Presented with Carlo Teo Pedretti. *La Biblioteca di Torquato Tasso - Spazi culturali, prospettive critiche e ambienti digitali*, University Suor Orsola Benincasa, Napoli
- 2025** "From Words to Images: A Framework for Modeling Ekphrasis". Presented with Carlo Teo Pedretti. PhD Seminars *Building Knowledge Landscapes*, University of Bologna.
- 2025** "Enriching Cultural Heritage through Semantic Annotation: A Review of Methods, Tools, and Collaborative Spaces". Presented with Carlo Teo Pedretti. DH25, Lisbon.
- 2025** "Between Text and Icon: Towards A Representational Model for Ekphrastic Relations." Presented with Carlo Teo Pedretti. AIUCD 2025, Verona.
- 2025** "Modeling Intermediality and Interpretations in Contemporary Combinatory Literature: Revealing Il Giuoco dell'Oca by Edoardo Sanguineti". Presented with Enrica Bruno. AIUCD 2025, Verona.
- 2024** "I quaderni di G. Raimondi: dal documento all'edizione". Presented with Paola Italia. Conference *Giuseppe Raimondi e le carte riscoperte*, University of Bologna.
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TECHNICAL SKILLS

Semantic Web and Digital Humanities

- IIIF, RDF, OWL, TEI, SPARQL
- Standard ontologies (CIDOC-CRM, LRMoo, PROV-O)
- ResearchSpace (basics), TEI Publisher (basics)
- Blazegraph, GraphDB

Web & Markup Languages

HTML, CSS, Bootstrap framework

Programming Languages

Python, Javascript

Machine Learning and AI Models

- OCR/HTR (Transkribus -Transcription, Layout Analysis, Model Training)
 - Generative AI prompting (Chat-GPT, Claude, Gemini)
 - Python libraries for NLP/LLM (Hugging-Face transformers, spaCy)
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LANGUAGES

Italian: Native

English: Advanced

French: Intermediate