Inès Blin | Research Assistant
Ph.D. candidate in AI

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I am an industrial Ph.D. student in collaboration between the Sony Computer Science Laboratories - Paris and the Vrije Universiteit Amsterdam. My main research interest is on constructing narratives through structured representations.

Education

Vrije Universiteit Amsterdam, Mathematics and Computer Science Department **Amsterdam**
Ph.D. in computer science: Building Narratives through Structured Representations. *Since 10/2021*
Competencies: Knowledge Graphs (Construction, Querying, Optimization), Reasoning, LLMs.
Supervisors: prof. Annette ten Teije, dr. Ilaria Tiddi , dr. Remi van Trijp.

University of Cambridge, Computer Science and Technology Department **Cambridge**
MPhil in Advanced Computer Science (Natural Language Processing, Computer Vision), Distinctions. *2019-2020*
Dissertation : Lexical Text Adaptation for Different Readability Levels.
Supervisor: dr. Ekaterina Kochmar.

General Engineer School *Ecole Centrale Paris* **Paris area**
MSc. in Mathematics and Computer Science *2016-2019*
Ranked by L'Étudiant as #2 French Engineering School in 2020.
Algorithms and Programming, Mathematics, Software development, Graph Theory, Machine Learning, Databases.

Preparatory School *Lycée Privé Sainte Geneviève* **Paris area**
Preparatory Class MPSI/MP. (Intensive preparation in Mathematics and Physics) *2013-2016*
Ranked by L'Étudiant as #1 French Classe Préparatoire aux Grandes Écoles in 2016.

Work Experience

Sony Computer Science Laboratories - Paris **Paris**
Research Assistant *Since 8/2024*
Developing a unified framework for narrative generation, combining structured representations through two key steps: knowledge graph construction and narrative synthesis.

Vrije Universiteit Amsterdam **Amsterdam**
Research Assistant *2/2024-8/2024*
Hired as part of an NWO Project to create living meta-analyses, Grant Research #406.XS.04.118
Developed automated hypothesis discovery workflows and dynamically published results in HTML format.

Sony Computer Science Laboratories - Paris **Paris**
Research Assistant *1/2021-1/2024*
Hired as part of the MUHAI European Project - Part of Horizon 2020, Grant Research #951846
Worked on Knowledge Graph Construction and Narrative Generation
○ Finding the best structured representation for a narrative
○ Developed methods to extract and filter domain-specific data for KG construction and question-answering

Augustus Intelligence **Paris**
Applied AI Engineer *9/2020-1/2021*
Refactored a data pipeline entirely, performed email clustering with unsupervised and semi-supervised techniques.

Circles.Life **Singapore**
Software Engineer *1-7/2019*
Implemented multilingual support for an internal application and automated weekly meeting preparations.

Allianz **Paris area**
Data Scientist *7-12/2018*
Implemented a search tool to match job offerings with resumes, and a clustering model for structured documents.

UNIC Paris Saclay Campus   **Paris area**
Software Engineer   *1-6/2018*
Research semester project with *Ecole Centrale Paris* to develop a graphic interface for autonomous robot *AlphaI*.

Publications

A * denotes equal contributions. See my Google Scholar for the most up-to-date list.

- **I. Blin**, F. van Harmelen, A. Ten Teije, I. Tiddi. "Structured Representations for Narratives". International Conference on Knowledge Engineering and Knowledge Management (EKAW 2024)

- **I. Blin**, I. Tiddi, G. Spadaro, A. Ten Teije. "Living Meta-Review Generation for Social Scientists: An Interface and A Case Study on Human Cooperation". International Conference on Knowledge Engineering and Knowledge Management (Demo Paper, EKAW 2024)

- G. Prevedello*, **I. Blin***, B. Monechi, E. Ubaldi. "Lyrics for success: embedding features for song popularity prediction". NLP for Music and Audio. (NLP4MusA@ISMIR 2024)

- **I. Blin**, L. Stork, L. Spillner, C. Santagiustina. "OKG: A Knowledge Graph for Fine-grained Understanding of Social Media Discourse on Inequality". The 12th Knowledge Capture Conference (K-CAP 2023, **nominated for best student paper award**)

- **I. Blin**. "Building a French Revolution Narrative from Wikidata". Semantic Techniques for Narrative-Based Understanding. (Sem4NBU@IJCAI-ECAI 2022)

- **I. Blin**. "Building narrative structures from knowledge graphs". European Semantic Web Conference. (ESWC 2022, **best doctoral consortium paper award)**

Additional education

Advanced course on AI on Human Centered AI   **Berlin**
Humane AI   *October 2021*
Topics: Social AI, Ethical AI, Cognitive AI, Explainable AI, Learning and Reasoning

International Semantic Web Research Summer School   **Bertinoro**
Bertinoro International Center for Informatics   *July 2022*
Topics: Knowledge Graphs (Querying, Reasoning, Embeddings), ML, NLP

Teaching

- Student supervision
  - Alkim Belevi, Evy Beijen, Mona Borth, Celeste Tacconi (2024, Digital Humanities Course)
  - Laura Brongers (2023, MSc VU)

Talks

- SciencesPo Medialab Seminar (December 2024, invited)
- EKAW 2024 (November 2024, Structured Representations for Narratives, oral)
- EKAW 2024 (November 2024, Living Meta-Reviews, demo and poster)
- EKAW 2024 (November 2024, Living Meta-Reviews for the MUHAI Tutorial, demo)
- &inCSL (February 2024, invited)
- K-CAP 2023 (December 2023, OKG, oral)
- Workshop on data modelling and ontologies of narrative and fiction (July 2023, invited)
- Sem4NBU@IJCAI-ECAI 2022 (July 2022, French Revolution Narrative, online)
- ESWC 2022 (May 2022, Narrative Structures from KG, oral)
- &inCSL (April 2022, invited)

Community Involvement and Miscellaneous

- Participated in the last event for the EU Project MUHAI: the MUHAI tutorial at EKAW 2024.
- **Co-organised** the SEMMES workshop at ESWC 2024. Tasks: Proposal writing, program organisation, reviewing

member.

- ○ Reviewing
  - – Conferences: ISWC 2024 (P&D), GeNeSy 2024
- ○ Sub-reviewing
  - – Conferences: IJCAI 2024, ESWC 2023, EKAW 2022, ISWC 2022