

Celian RINGWALD

Phd Student at INRIA, 3IA, CNRS, I3S, UCA

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French citizen, born on the 25th August 1992, in Epinal, France

WORK EXPERIENCE

Current position Dec. 2022 - Dec. 2025	Phd Student, INRIA, 3IA, CNRS, I3S, UNIVERSITÉ CÔTE D'AZUR, Inria Sophia-Antipolis "Learning RDF pattern extractors for a language from dual bases Wikipedia/LOD" under the supervision of Fabien Gandon, Catherine Faron, Franck Michel & Hanna Abkl > My work is focused on the extraction of relations from unstructured and natural language texts, a subject at the crossroads of large language models and knowledge graphs.
1 year 2 months Oct. 2021 - Nov. 2022	R&D Engineer in charge of DBpedia Fr , WIMMICS TEAM, Inria Sophia-Antipolis under the supervision of Fabien Gandon and Franck Michel > Update and live development of the French chapter of DBpedia > New extractors development : Historic, DBpedia Abstracts extraction, Sister project extractor > Data enrichment : Wikidata integration, meta description, data fusion
6 months Feb. 2021 - Jul. 2021	Mathematics teacher, COLLÈGE JEAN PERRIN, Lyon Substitute teacher in a secondary school
6 months Sept. 2020 - Dec. 2020	Datascientist Freelance, DATARTISAN, Lyon Datascience and NLP R&D missions
6 months Mar. 2020 - Aug. 2020	[Intern] Research assistant, DIGITAL HUMANITIES CANADA RESEARCH CHAIR, Ottawa under the supervision of Sabine Loudcher & Constance Crompton : TEI corpus transformation workflow to Linked Open Data format, Ontological modeling for a historical Linked Open Data project : LINCOS.  Entity Linking tutorials.  Master Thesis on Biographic relations extraction
3 years Feb. 2017 - Feb. 2020	Datascientist, DATA OBSERVER, Marseille Software development, Data visualization, TAL/ML pipelines, involved into : > ExObserver : A multilingual platform for social listening, with annotation and corpus analysis tools > SourceBase : Taxonomy of media sources, shared mediamestry database of media sources. > MedObserver : multilingual bibliometric and social extraction tools for specialists and experts of medical domain spotting. > Sprayz : Citation and propagation analysis dashboard system for cross media diffusion evaluation. > Dortl : Concordance interface, Dynamic Iramuteq PCA like interface, media domain and specialized lexicons. > tailor-made projects : Quote extraction project, causality tagging, Controversy maps, Crawl engineering.
6 months Mar. 2016 - Aug. 2016	[Intern] Datascientist, RÉUNIWATT, Réunion Island Econometric, Machine learning and Deep learning models bootstrapping and stacking for photovoltaic production forecasting. > under the supervision of Ricco Rakotomalala.
6 months Mar. 2015 - Aug. 2015	[Intern] Software Engineer , CENTRE INFORMATIQUE DE PHILOSOPHIE ET LETTRES, Liège under the supervision of Julien Ah-Pine  Java embedded software for poetic archive mining.








EDUCATION

2018-2020	Master 2 HN - Master of Digital Humanities - Lyon University (with highest honour)
2014-2016	Master 2 SISE - Master of Data science - Lyon University (with high honours) + Erasmus : 6 months (Sept.- Dec. 2015) Poznan
2013-2014	Licence IDS - Bachelor of IT and statistics - Lyon University
2011-2013	DUT STID - Two-year university degree of IT and Statistics - Lorraine University
2010-2011	DUT TC - Two-year university degree in Marketing (not completed) - Lorraine University
2010	BAC S - Scientific baccalaureate - Lycée André Malraux

PROFESSIONAL DEVELOPMENT

7/11 August. 2023 - London	Knowledge Prompting Hackaton - The hackathon were focused on the usage of prompt engineering methods for approaching pre-trained language models (PLMs) and trustworthy knowledge graphs.
26/30 June. 2023 - Copenhagen	GEMSS - Generative Modeling Summer School : introduction to the deep learning generative models : VAE, Autoregressive, Flow-based and energy-based, GAN, and Diffusion models.
11/17 June. 2023 - Bertinoro	ISWS 2023 - International Semantic Web Summer school : the summer school wraps together lectures, workshops from outstanding speakers, and a "learning by doing" approach. Our work was awarded the prize of the Best Scientific Report.
May-Sept. 2022	Google Summer of Code project - mentored by Mykola Medynskyi & Marvin Hofer & Dimitris Kontokostas, 6 months project on the Wikipedia abstracts extractors development for solving large scale issues. New API integration, NIF text extractor update, MediaWiki docker of a Wikipedia chapter. 
Since Jan. 2021	<i>Volunteer Editor</i> for the PROGRAMMING HISTORIAN Peer-reviewed and open source academic journal about digital humanities and digital methodology for social sciences and history. (Proofreading, Article translation & Reviewing French proposals)

PUBLICATIONS

Journal paper	[Under-review] Célian Ringwald , Fabien Gandon, Catherine Faron, Franck Michel, Hanna Abi Akl. <i>Extensive Benchmark of Small Language Models for Datatype Properties Extraction and RDF Knowledge Graph Generation</i> . 2025 Semantic Web Journal. 
Conference paper	Célian Ringwald , Fabien Gandon, Catherine Faron, Franck Michel, Hanna Abi Akl. <i>Kastor : Fine-Tuned Small Language Models for Shape-Based Active Relation Extraction</i> . ESWC 2025 Extended Semantic Web Conference, June 2025, Portoroz, Slovenia. 
Conference paper	Célian Ringwald , Fabien Gandon, Catherine Faron, Franck Michel, Hanna Abi Akl. <i>12 shades of RDF : Impact of Syntaxes on Data Extraction with Language Models</i> . ESWC 2024 Extended Semantic Web Conference, May 2024, Hersonissos, Greece. 
Conference paper	Célian Ringwald . <i>Learning Pattern-Based Extractors from Natural Language and Knowledge Graphs : Applying Large Language Models to Wikipedia and Linked Open Data</i> . AAAI 24 - 38th Annual AAAI Conference on Artificial Intelligence, Feb 2024, Vancouver, Canada. 
Conference paper	Célian Ringwald , Fabien Gandon, Catherine Faron, Franck Michel, Hanna Abi Akl. <i>Well-written Knowledge Graphs Most Effective RDF Syntaxes for Triple Linearization in End-to-End Extraction of Relations from Text (Student Abstract)</i> . AAAI 24 - 38th Annual AAAI Conference on Artificial Intelligence, Feb 2024, Vancouver, Canada. 
Conference paper	Raia Abu Ahmad, Martin Critelli, Şefika Efeoğlu, Eleonora Mancini, Célian Ringwald , Xinyue Zhang, Albert Meroño-Peñuela. <i>Draw Me Like My Triples : Leveraging Generative AI for Wikidata Image Completion</i> . Proc. of the 3rd Wikidata Workshop 2023 co-located with the 22st International Semantic Web Conference (ISWC2023). 
Poster	Celían Ringwald , Fabien Gandon, Catherine Faron, Franck Michel, Hanna Abi Akl. Learning RDF pattern extractors from natural language and knowledge graphs -application to Wikipedia and the LOD. ISWS 2023 & GEMSS, Bertinoro, Italy / Copenhagen, Denmark. 2023. 

TALKS

- National Matthias Gille Levenson , **Célian Ringwald**, Marie Flesch, Jennifer Isasi, Sofia Papastamkou, Riva Quiroga, David Valentine, *Connecter les chapitres linguistiques de Programming Historian?*. Humanistica 2024, Association francophone des humanités numériques, May 2024, Meknès, Maroc. 
- National Matthias Gille Levenson, Sofia Papastamkou & **Célian Ringwald**, *Programming Historian : un lieu de collaborations et d'interactions multiples*. DHNord 2022, Lille, France. June 2022. 
- National **Célian Ringwald**, Marie-Véronique Leroi, Thibault Grouas, Fabien Gandon, Franck Michel. *Présentation du projet DBpedia en français dans le cadre de la convention Culture-Inria*. Atelier Culture-INRIA, Paris. 22 March 2022.  
- National Anaïs Chambat, Inès Burri, **Célian Ringwald**. *Faire émerger le réseau littéraire francophone haïtien à l'ère du numérique*. Séminaire du groupe Approches Sociales et Historiques des Littératures des Suds. Remotly, February 2021 
- National Anaïs Chambat, Inès Burri, **Célian Ringwald**. *Ébauche de visualisation des productions littéraires francophones d'Haïti et retour d'expérience*. Cartographie du web littéraire francophone, Lyon. November 2019.  

TEACHING

- 2022-2023 **Teaching assistant** - Polytech, Sophia Antipolis
- XML technologies - 10h Msc. Year 1
- 2023-2024 **Teaching assistant** - Polytech, Sophia Antipolis
- Databases - 31.5h Msc. Year 1
- Databases - 2.5h Msc. Year 2
- XML technologies - 11.75h Msc. Year 1
Teaching assistant - IUT Université Côte d'Azur
- Introduction to Databases - 40h Bach. Year 1
- Semantic Web technologies - 2h Msc. Year 1
- 2024-2025 **Teaching assistant** - Polytech, Sophia Antipolis
- Database - 33h Msc. Year 2
- Database - 15h Msc. Year 1
- NoSQL Databases - 18h Msc. Year 2

ACADEMIC SERVICE

- ESWC 2024 - Additional reviewer
- ESWC 2024 - PC Member - Special Track LLM For KE
- EKAW 2024 - Additional reviewer - Research Track
- ISWC 2024 - X-TAIL workshop - PC Member
- Journal of Semantic Web 2025 - Guest Editor

LANGUAGES

French	★	★	★	★	★
English	★	★	★	★	☆
German	★	☆	☆	☆	☆

HOBBIES & INTERESTS

- Music (Guitar / Melodeon)
- Graphic arts (Ink & watercolor painting / wood carving)
- Reading (Fantastic / Surrealism / S.F.)
- Sports (Hiking / Tennis / Skate)