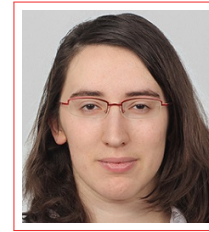


Lauriane Aufrant

French AI expert & PhD in NLP



Work experience

- 2019 – ... **AFNOR (CN IA), ISO-IEC (JTC 1/SC 42), CEN-CENELEC (JTC 21)**, *expert in French and international committees for AI standardization.*
Contribution to multiple projects and study items, related to AI/ML foundational standards, robustness, bias, performance metrics, explainability, simulation tools, qualification testing. Project Leader of JTC 21's NLP project, former Convenor of JTC 21/AHG 4.
- 2021 – ... **Inria Rocquencourt (French computer science research institute) – applied research team in Natural Language Processing**, *lead scientist.*
Working with European partners (academia, industry, government, civil society representatives) on research and innovation projects, with the aim to ultimately shorten the path from fundamental research to actual products.
Stimulating & federating the French NLP research community towards concrete applications.
- 2019 – 2021 **DGA (governmental grant and procurement agency) – Computer Science division**, *Artificial Intelligence expert.*
Driving a pluridisciplinary focus group on identifying best practices in AI development, writing DGA guidelines for contracting and evaluating AI-based systems, raising awareness of non-technical audiences about AI and its new challenges.
Conducting literature surveys and feasibility studies for DGA's AI incubator.
HIGHLIGHT TOPICS: AI interpretability & explainability, attacks and defenses on AI (adversarial, poisoning, membership inference), data and model biases.
- 2018 (1y) **DGA (governmental grant and procurement agency) – Computer Science division**, *Natural Language Processing expert (text, speech, OCR).*
Project management (analysis of user needs, writing technical specifications, monitoring of development, system evaluation) for subcontracting NLP projects of various readiness levels, from PhD grants to operational system deployment.
HIGHLIGHT TOPICS: machine translation, information extraction, knowledge graphs, automatic summarization, speech recognition, language varieties & dialects.
- 2014 – 2017 **LIMSI-CNRS (lab)**, *intern & PhD student in AI, with a specialization in NLP.*
Focus on generalizing cross-lingual transfer learning to the most low-resourced languages.
13 PAPERS, 2 AWARDS: from the doctoral school and from Paris Universities' Chancellerie.
- 2013 (4m) **SYSTRAN (SME)**, *research intern in NLP (sentiment analysis, machine translation).*

Education

- 2015 – 2018 **Paris-Saclay University**, *PhD in artificial intelligence.*
- 2013 – 2014 **University of Paris XI**, *MSc in artificial intelligence (double degree).*
- 2013 – 2014 **Télécom ParisTech**, *engineering degree in AI & embedded systems.*
- 2010 – 2013 **École polytechnique**, *MSc in CS at one of France's leading universities.*

AI & language-related skills

Deep learning, traditional machine learning, symbolic AI, algorithmics & complexity theory

Languages: French (native), English (fluent), German (advanced), Japanese (intermediate, mostly listening), French sign language (notions).

Other interests

Volunteer in associations related to computer science and to professional fireworks (F4/T2 N2 certification).

Special concern for making the physical and information worlds more accessible for people with non-visible disabilities.