Gautier Dagan

PhD Student in Natural Language Processing

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EDUCATION

The University of Edinburgh	09/2021 – (anticipated) 2025
Integrated PhD in Natural Language Processing	*Edinburgh, UK*
Supervisors: Prof. Alex Lascarides and Prof. Frank Keller	
The University of Amsterdam	2017 – 2019
Master of Science in Artificial Intelligence; Cum Laude	*Amsterdam, NL*
Northwestern University	2013 – 2017
BA in Computer Science, Economics and International Studies (Triple Major)	*Evanston, USA*

EXPERIENCE

Senior NLP Engineer (Part-Time) — 01/2021 - 09/2021
Research Grid — *London, UK*
- Led development and deployment of ML APIs, managed interns and assisted in hiring process.
- Productionised text comprehension and retrieval pipelines using NLTK, spacy, and HF transformers.

Machine Learning Engineer — 09/2019 - 09/2020
Mansa — *London, UK*
- Developed and architected the data pipeline from scratch using AWS, Docker, FastAPI, and Serverless.
- Implemented an OCR solution for bank statements of 10 major French banks to reduce on-boarding attrition and augment Open Banking coverage.

Graduate Student Researcher — 06/2018 – 09/2019
Institute of Logic, Language and Computation (i-machine-think group) — *Amsterdam, NL*
- Assisted in the development and testing of a positional attention mechanism published in ACL 2020.

Co-founder — 02/2016 – 01/2018
Zcruit — *Evanston, USA*
- Co-founded and successfully exited a predictive analytics start-up in college football recruiting.

PUBLICATIONS

Gautier Dagan, Frank Keller, Alex Lascarides *Learning the Effects of Physical Actions in a Multi-modal Environment* EACL Findings 2023 |paper |code

Balint Gyevnar, **Gautier Dagan**, Coleman Haley, Shangmin Guo, and Francis Mollica *Communicative Efficiency or Iconic Learning: Do communicative and acquisition pressures interact to shape colour-naming systems?* Entropy 2022 |paper

Kaustubh D. Dhole et al. *NL-Augmenter: A Framework for Task-Sensitive Natural Language Augmentation* Generation, Evaluation & Metrics (GEM) Workshop ACL 2021 |paper |code

Gautier Dagan, Dieuwke Hupkes, and Elia Bruni *Co-evolution of Language and Agents in Referential Games* EACL 2021 |paper |code

Yann Dubois, **Gautier Dagan**, Dieuwke Hupkes, and Elia Bruni *Location Attention for Extrapolation to Longer Sequences* ACL 2020 |paper

Gabriele Bani, Davide Belli, **Gautier Dagan**, Alexander Geenen, Andrii Skliar, Aashish Venkatesh, Tim Baumgartner, Elia Bruni, Raquel Fernández *Adding object detection skills to visual dialogue agents* Workshop on Shortcomings in Vision and Language ECCV 2018 |paper

SKILLS

Technologies: Python, Git, Pytorch, AWS, Serverless, Docker
Certifications: AWS Machine Learning Speciality (08/2020), AWS Solutions Architect Associates (06/2020)

Languages: native English and French, Spanish (A2)
Competitions: IGLU: NLP Task 2022 (4th Place), Kaggle Competition Expert (**top 1%**), RoboCup IranOpen 2018
Reviewer: EMNLP 2022, EACL 2023, ACL 2023