ANAÏS CLAIRE MURAT

Trinity College Dublin

@ murata@tcd.ie   anaismu.github.io   github.com/anaismu

PhD candidate at Trinity College Dublin working with multimodalities, e.g. eye gaze, in conversations.
I would love to apply my knowledge, notably by working with social robots.

EXPERIENCE

Research

Multimodal Corpus | NLP | HHI

📅 Sept. 2020 – Sept. 2025   📍 Trinity College Dublin

- Supervisor: Dr. Carl Vogel
- **PhD:** Thesis on multimodal dialogues and how eye gaze can inform speech.
- **Master's Thesis:** Mutual Gaze and Linguistic Repetition as a proxy for Mutual Understanding
- Annotation & Analysis of Multimodal Corpora.

Summer Training

AI | NLP | Multimodality

- **ESSLLI 22**: Summer School on NLP, Multimodality. Modules taught by David Traum & James Pustejovsky.
- **CRT-AI Training Weeks:** Machine Learning, Reinforcement Learning, Computer Vision, NLP.

Presentations

Full Paper | Poster | Talk

- **LREC 2022:** Full Paper as the first author.
- **Manchester NLP Club 2022:** Invited speaker.
- **MMSYM 2023:** Poster as the first author.
- **ILLA 2023:** Paper presentation on behalf of Dr. Carl Vogel.
- **GEHM meeting 2024:** Presentation on my research to date.
- **AmsterdamAI & CRT-AI 2024:** Poster on my research.

Teaching

Text Analytics | Machine Learning | French Language

📅 Sept 2020 – Now   📍 Trinity College Dublin

- **Text Analytics & Machine Learning:** Ensuring the correct unfolding of the Postgraduate and Undergraduate exams along with grading their mid-term assignments.
- **French Language Assistant:** Weekly animating a class with non-native speakers of French (B1/B2 level).

Summer Jobs

Youth Worker | Receptionist

📅 2018 – 2020   📍 France

- **Youth Worker:** Day activities & Week-long camps with children age 3-13 (2018-2019).
- **BNP Paribas:** Receptionist (2020).

EDUCATION

PhD in Computer Science

📅 2021 – 2025   📍 Trinity College Dublin

MPhil in Speech & Language Processing

Highest Honours

📅 2020 – 2021   📍 Trinity College Dublin

BS in Sciences of Language

Honours

📅 2017 – 2020   📍 Université Lyon 2

English Literature

Partial BS

📅 2017-19   📍 Lyon 2

Baccalauréat | Sciences
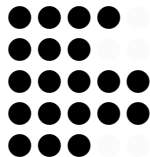
Highest Honours

📅 2017

PUBLICATIONS

- Vogel, C. Koutsombogera, M., Murat, A. C., Khos-robeigi, Z. & Ma, X. (2023). **Gestural linguistic context vectors encode gesture meaning Gesture and Speech in Interaction**. GeSpIn.
- Murat, A. C., Koutsombogera, M., & Vogel, C. [ABSTRACT] (2023). **Event Chronography in Multimodal Data: a Method for Quantitative Analyses**. MMSYM.
- Murat, A. C., Koutsombogera, M., & Vogel, C. (2022). **Mutual Gaze and Linguistic Repetition in a Multimodal Corpus.** LREC.
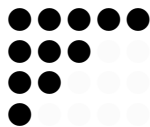
SKILLS

Python, Pandas, NLTK, spaCy, OpenFace ●●●●●
R ●●●○○
Adobe Creative Suite, Ms Office ●●●●○
Elan, Pratt ●●●●○
LaTeX, HTML ●●●○○

LANGUAGES

French, English ●●●●●
Spanish ●●●○○
Hindi ●●○○○
Arabic, French Sign Language ●○○○○

FELLOWSHIPS & ACHIEVEMENT

- **CRT-AI Scholar**. Includes PhD stipend and travel cost, on top of training weeks in Artificial Intelligence.
- Nominated for the **TCD Teaching Assistant Award** by Dr. Vogel and the School of Computer Science and Statistics.
- **European Excellence Awards**. 1000€ towards my Master's tuition fees.
- Founding member of the CRT-AI Newsletter *The Turing Point*.