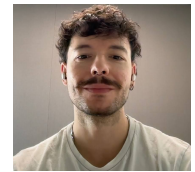


Ioannis (Yiannis) Tsiamas



AI Research Scientist — *Multimodality & Multilinguality, Representation Learning, Machine Translation, Speech Translation*

CONTACT INFORMATION

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WORKING EXPERIENCE

Meta — Paris, France
AI Research Scientist Intern

Aug 2024 - Dec 2025

Part of the Omnilingual Machine Translation team at FAIR. Research on Character-level Modeling, Multilingual/Multimodal Representations, and Machine Translation Quality Estimation.

Apple — Aachen, Germany
AI Research Scientist Intern

Apr 2024 - July 2024

Part of the Machine Translation team at AI/ML. Research Prosody and Speech Translation.

Dolby — Barcelona, Spain
AI Research Scientist Intern

Nov 2023 - Feb 2024

Audio-Visual Representations, Contrastive Learning, Video-to-Audio Generation

Zeta Alpha — Amsterdam, The Netherlands
AI Research Scientist Intern

Nov 2019 - Jun 2020

Sequence Generation, Abstractive Question Answering, Learning-to-Rank

Eurobank — Athens, Greece
Financial Analyst Intern

Jun 2015 - Jul 2015

EDUCATION

Universitat Politècnica de Catalunya — Barcelona, Spain
Ph.D. in Artificial Intelligence
End-to-End Speech Translation
Supervised by José A. R. Fonollosa and Marta R. Costa-jussà

Mar 2021 - Mar 2026
(expected)

University of Amsterdam — Amsterdam, The Netherlands

M.Sc. in Artificial Intelligence, GPA: 8.3/10, cum laude
Complex Question Answering by Pairwise Passage Ranking and Answer Style Transfer [Pdf], [Code] Aug 2020

VU University Amsterdam — Amsterdam, The Netherlands

M.Sc. in Quantitative Finance, GPA: 7.7/10
An ensemble of Recurrent Neural Networks for High-Frequency Stock Market Classification Oct 2018

Athens University of Economics and Business — Athens, Greece
Diploma in Accounting and Finance, GPA: 7.1/10 Jun 2015

Conferences

- Improving Language and Modality Transfer in Translation by Character-level Modeling.** Ioannis Tsiamas, David Dale, Marta R. Costa-jussà. **ACL 2025.** [[Web](#)], [[Pdf](#)] 2025
- Sequential Contrastive Audio-Visual Learning .** Ioannis Tsiamas, Santiago Pascual, Chunghsin Yeh, Joan Serrà. **ICASSP 2025.** [[Web](#)], [[Pdf](#)] 2025
- Speech is More Than Words: Do Speech-to-Text Translation Systems Leverage Prosody?** Ioannis Tsiamas, Matthias Sperber, Andrew Finch, Sarthak Garg. **WMT 2024.** [[Web](#)] [[Pdf](#)], [[Code](#)] 2023
- Masked Generative Video-to-Audio Transformers with Enhanced Synchronicity.** Santiago Pascual, Chunghsin Yeh, Ioannis Tsiamas, Joan Serrà. **ECCV 2024.** [[Web](#)], [[Pdf](#)], [[Demo](#)] 2024
- Pushing the Limits of Zero-shot End-to-End Speech Translation.** Ioannis Tsiamas, Gerard I. Gállego, José A. R. Fonollosa, Marta R. Costa-jussà. **ACL 2024.** [[Web](#)], [[Pdf](#)], [[Code](#)] [[HF Models](#)] 2024
- SegAugment: Maximizing the Utility of Speech Translation Data with Segmentation-based Augmentations.** Ioannis Tsiamas, José A. R. Fonollosa, Marta R. Costa-jussà. **EMNLP 2023.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2023
- Explaining How Transformers Use Context to Build Predictions.** Javier Ferrando, Gerard I. Gállego, Ioannis Tsiamas, Marta R. Costa-jussà. **ACL 2023.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2023
- Efficient Speech Translation with Dynamic Latent Perceivers.** Ioannis Tsiamas, Gerard I. Gállego, José A. R. Fonollosa, Marta R. Costa-jussà. **ICASSP 2023.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2023
- SHAS: Approaching optimal Segmentation for End-to-End Speech Translation.** Ioannis Tsiamas, Gerard I. Gállego, José A. R. Fonollosa, Marta R. Costa-jussà.. **Interspeech 2022.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2022

Workshops

- Speech Translation with Foundation Models and Optimal Transport.** Ioannis Tsiamas, Gerard I. Gállego, José A. R. Fonollosa, Marta R. Costa-jussà. **IWSLT 2023.** [[Web](#)], [[Pdf](#)] 2023
- Pretrained Speech Encoders and Efficient Fine-tuning Methods for Speech Translation.** Ioannis Tsiamas, Gerard I. Gállego, Carlos Escolano, José A. R. Fonollosa, Marta R. Costa-jussà. **IWSLT 2022.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2022
- End-to-End Speech Translation with Pre-trained Models and Adapters.** Gerard I. Gállego, Ioannis Tsiamas, Carlos Escolano, José A. R. Fonollosa, Marta R. Costa-jussà. **IWSLT 2021.** [[Web](#)], [[Pdf](#)], [[Code](#)] 2021
- The TALP-UPC Participation in WMT21 News Translation Task.** Carlos Escolano, Ioannis Tsiamas, Christine Basta, Javier Ferrando, Marta R. Costa-jussà, José A. R. Fonollosa. **WMT 2021.** [[Web](#)], [[Pdf](#)] 2021

Pre-prints

- BOUQuET: dataset, Benchmark and Open initiative for Universal Quality Evaluation in Translation.** The Omnilingual MT Team. **arXiv pre-print** [[Web](#)], [[Pdf](#)] 2025

Journals

- An Ensemble of LSTM Neural Networks for High-Frequency Stock Market Classification.** Svetlana Borovkova, Ioannis Tsiamas. **Journal of Forecasting.** [[Pdf](#)] 2019

TEACHING EXPERIENCE	UPC School of Professional and Executive Development , Barcelona, Spain	
	<i>Teaching Assistant</i> Artificial Intelligence with Deep Learning (M.Sc.)	2022 - 2024
	VU University Amsterdam , Amsterdam, The Netherlands	
	<i>Teaching Assistant</i> Machine Learning for the Quantified-Self (M.Sc.) Introduction to Data Science (B.Sc.)	2018 - 2020
SUPERVISION	Universitat Politècnica de Catalunya , Barcelona, Spain	
	<i>Thesis Supervisor</i> Investigating Dropout in Encoder-Decoder Transformers, Pol Rosinés Pozo (B.Sc.)	2023
	Universitat Politècnica de Catalunya , Barcelona, Spain	
	<i>Thesis Supervisor</i> Context-Aware Speech Translation [Web], Miquel M. de Morentin Cardoner (B.Sc.)	2022
	Universitat Politècnica de Catalunya , Barcelona, Spain	
	<i>Research Project Supervisor</i> Music Generation with Deep Learning, Pau Lozano García (B.Sc.)	2022
ACADEMIC SERVICE	International Conference on Spoken Language Translation (IWSLT) <i>Program committee member</i>	2022 - Present
OTHER ACTIVITIES	UPC and Sonar Music Festival	
	<i>Deep Learning Engineer</i> AI DJ Project [Code],[Video]	2021 - 2023
SKILLS	<p>Technical: python, bash, PyTorch, git, fairseq2, HuggingFace, parquet, numpy, pandas, polars, \LaTeX, slurm, FSDP, DDP, mixed-precision training</p> <p>Theoretical: Linear Algebra, Probability Theory, Machine Learning, Deep Learning, Neural Networks, RNN, CNN, Transformer, Attention, Diffusion, GPT, BERT, LLaMa, NLP, Speech Processing, Audio-Visual, Time-series, Self-supervised learning, Contrastive Methods, Zero-shot learning, Reinforcement Learning</p>	
LANGUAGES	English, Greek, Spanish, German	