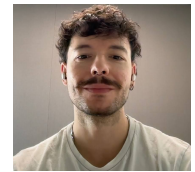


# Ioannis (Yiannis) Tsiamas




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

## CONTACT INFORMATION

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[github.com/johntsi](https://github.com/johntsi) 🐙  
[linkedin.com/in/i-tsiamas](https://linkedin.com/in/i-tsiamas) 🔗  
[huggingface.co/johntsi](https://huggingface.co/johntsi) 🗨️  
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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	<b>UPC School of Professional and Executive Development</b> , Barcelona, Spain	
	<i>Teaching Assistant</i> Artificial Intelligence with Deep Learning (M.Sc.)	2022 - 2024
	<b>VU University Amsterdam</b> , Amsterdam, The Netherlands	
	<i>Teaching Assistant</i> Machine Learning for the Quantified-Self (M.Sc.) Introduction to Data Science (B.Sc.)	2018 - 2020
SUPERVISION	<b>Universitat Politècnica de Catalunya</b> , Barcelona, Spain	
	<i>Thesis Supervisor</i> Investigating Dropout in Encoder-Decoder Transformers [ <a href="#">Pdf</a> ], Pol Rosinés Pozo	2023
	<b>Universitat Politècnica de Catalunya</b> , Barcelona, Spain	
	<i>Thesis Supervisor</i> Context-Aware Speech Translation [ <a href="#">Pdf</a> ], Miquel M. de Morentin Cardoner	2022
	<b>Universitat Politècnica de Catalunya</b> , Barcelona, Spain	
	<i>Research Project Supervisor</i> Music Generation with Deep Learning, Pau Lozano García	2022
ACADEMIC SERVICE	<b>Program committee member</b> <i>International Conference on Spoken Language Translation (IWSLT)</i>	2022 - Present
	<b>Reviewer</b> <i>Rolling Review, ICASSP, Interspeech and ACL-affiliated venues</i>	2021 - Present
OTHER ACTIVITIES	<b>UPC and Sonar Music Festival</b>	
	<i>Deep Learning Engineer</i> AI DJ Project [ <a href="#">Code</a> ],[ <a href="#">Video</a> ]	2021 - 2023
SKILLS	<b>Technical:</b> python, bash, PyTorch, git, fairseq2, HuggingFace, parquet, numpy, pandas, polars, $\text{\LaTeX}$ , slurm, FSDP, DDP, mixed-precision training  <b>Theoretical:</b> 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	
LANGUAGES	English, Greek, Spanish, German	