

# Theodoros Kouzelis

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 Scholar  
 GitHub  
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 LinkedIn

## EDUCATION

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### National Technical University of Athens

PhD Candidate in Machine Learning

- Fellow at **Archimedes Research Unit**
- Topic: Deep Generative Models and Representation Learning
- Supervisor: Nikos Komodakis

Athens, Greece  
2024–Present

### National Technical University of Athens

MEng in Electrical and Computer Engineering

Athens, Greece  
2014–2021

## SELECTED PUBLICATIONS

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- [Coevolving Representations in Joint Image-Feature Diffusion](#) **Preprint 2026**  
T. Kouzelis, S. Gidaris, N. Komodakis
- [Boosting Generative Image Modeling via Joint Image-Feature Synthesis](#) **(Spotlight) NeurIPS 2025**  
T. Kouzelis, E. Karypidis, I. Kakogeorgiou, S. Gidaris, N. Komodakis
- [EQ-VAE: Equivariance Regularized Latent Space for Improved Generative Image Modeling](#), **ICML 2025**  
T. Kouzelis, I. Kakogeorgiou, S. Gidaris, N. Komodakis

## INDUSTRY EXPERIENCE

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### RunwayML

Research Intern Supervised by [Jonathan Granskog](#)

- **Project:** Improving video autoencoders by incorporating motion priors for more efficient diffusion model training.

New York City, USA  
Oct 2025 – Feb 2026

## ACADEMIC EXPERIENE

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### Institute of Language and Speech Processing/Athena RC

**Position:** Associate Researcher

- **Project:** Unsupervised discovery of interpretable directions in the latent space of image diffusion models. Results published at [BMVC 2024](#)
- **Project:** Controllable text-to-music diffusion models. Results published at [ICASSP 2024](#)
- **Project:** Unsupervised Domain Adaptation for ASR models under low resource settings. Results published at [TASLP](#)
- **Project:** Audio representation learning via language supervision. Results published at [DCASE Workshop 2023](#)

Athens, Greece  
Sep 2022 - Aug 2024

### Institute of Language and Speech Processing/Athena RC

**Position:** Research Intern

- **Project:** Weakly-supervised speech-to-text alignment of disfluent speech. Results published in a conference paper accepted at [Interspeech 2023](#)

Athens, Greece  
Sep 2021 - Aug 2022

## INVITED TALKS

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- **RunwayML** 2025  
*Boosting Generative Image Modeling via Joint Image-Feature Synthesis*
- **NeurIPS in Paris** 2025  
*Boosting Generative Image Modeling via Joint Image-Feature Synthesis*
- **Valeo AI** 2025  
*Self-Supervised Representation Learning for Better Diffusion Models.*

## TEACHING EXPERIENCE

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- **Teaching Assistant** at Department of Informatics, NKUA Spring 2025, 2026  
*Lectures on Variational Autoencoders and Diffusion Models for Computer Vision and Deep Learning course.*

## CONFERENCE REVIEWERSHIPS

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ICASSP 2024-25; CVPR 2026; ECCV 2026

## LANGUAGES

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Greek, English, French (Beginner)