

DR IOANNA NTINOU

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CURRENT POSITION

Postdoctoral Researcher at **RAIDO**

May 2024 – Present

Queen Mary University of London

London, UK

- **Main responsibilities:** Lead developer of the Distill-AI toolbox, a framework for energy-efficient AI models in vision and time-series. Contribute to the coordination of [Work Package 3](#), working with academic and industry partners. Research on Vision-Language Models.
- **Talks & Organisation:** Co-organiser, [Binary and Extreme Quantization for Computer Vision \(ICCV 2025\)](#); Speaker, [Open Forum on Sustainable AI \(IGF 2025, organised by UNESCO\)](#).

EDUCATION

PhD in Computer Science

October 2020 - July 2024

Queen Mary University of London

London, UK

- Thesis: *Efficient Spatio-Temporal Modeling for Action Recognition in Videos* [\[link\]](#)
- Supervisor: Dr Georgios Tzimiropoulos

Visiting Scholar

May 2017 - July 2017

University of Nottingham

Nottingham, UK

- Topic: Deep Learning for 3D Human Pose Estimation
- Supervisor: Dr Georgios Tzimiropoulos

MSc in Electronics and Information Processing

October 2015 - February 2018

University of Patras

Patras, Greece

- GPA: 8.9/10.00
- Thesis: *Human Pose Estimation with Convolutional Neural Networks* [\[link\]](#)
- Supervisor: Dr Georgios Economou

BSc in Physics

October 2010 - October 2015

University of Patras

Patras, Greece

- Thesis: Content Based Image Retrieval
- Supervisor: Dr Georgios Economou

PROFESSIONAL EXPERIENCE

Computer Vision Engineer

Oct 2023 – Feb 2024

Wallbid

London, UK

- Developed and deployed a prototype model for cracked screen detection using ONNX for inference. Contributed to the design of the data collection pipeline, model training, and evaluation.

Research Intern

Mar 2022 – Nov 2022

Samsung AI Center

Cambridge, UK

- Collaborated on evaluating models for action recognition in kitchen activity datasets. Supported data collection and deployment.
- Conducted research on spatio-temporal action recognition.

Researcher

Oct 2018 – Jul 2020

University of Nottingham

Nottingham, UK

- Conducted research on human emotion recognition, adversarial attacks on face recognition, and privacy behaviours on social media platforms.

Data Annotator

Leapforce at Home

Feb 2018 – Sep 2018

Remote

- Contributed to the Shasta Project by annotating geospatial data to improve map accuracy.

Summer Intern

IRIDA Labs S.A.

Jul 2015 – Sep 2015

Patras, Greece

- Worked on the integration of binary descriptors into bag-of-features (BoF) pipelines for computer vision applications.

SELECTED PUBLICATIONS

I. Ntinou, A. Xenos, Y. Ouali, A. Bulat, G. Tzimiropoulos. *Vision-Free Retrieval: Rethinking Multimodal Search with Textual Scene Descriptions*. EMNLP 2025.

I. Ntinou, E. Sanchez and G. Tzimiropoulos. *Multiscale Vision Transformers meet Bipartite Matching for efficient single-stage Action Localization*. CVPR 2024.

I. Ntinou, E. Sanchez and G. Tzimiropoulos. *MeMSVD: Long-Range Temporal Structure Capturing Using Incremental SVD*. ICIP 2024 (Oral).

I. Ntinou, E. Sanchez, A. Bulat, M. Valstar, and G. Tzimiropoulos. *A Transfer Learning approach to Heatmap Regression for Action Unit intensity estimation*. TAFCC, 2021. (IF: 10.506)

TEACHING

- Senior Teaching Assistant, Neural Networks & Deep Learning (Python/PyTorch), QMUL, 2021–2024
- Teaching Assistant, Machine Learning (Python/PyTorch), QMUL, 2021 & 2023
- Teaching Assistant, Machine Learning (Matlab/Tensorflow), University of Nottingham, 2019
- Teaching Assistant, Computer Programming (C++/Fortran), University of Patras, 2016

WORKSHOPS, PANELS & INVITED ACTIVITIES

Co-organisier, *Binary and Extreme Quantization for Computer Vision*, ICCV 2025. [\[link\]](#)

Invited Panelist, “*Make your AI greener: A workshop on sustainable AI solutions*”, IGF 2025, organised by UNESCO. [\[link\]](#) [\[YouTube\]](#)

HONORS AND AWARDS

- Diversity, Equity, and Inclusion Award, CVPR 2024; ICIP 2024
- QMUL Studentship, School of Electronic Engineering and Computer Science
- Horizon CDT & Defence Science and Technology Laboratory (DSTL) Scholarship
- Erasmus+ Scholarship
- National Strategic Reference Framework Scholarship

COMMUNITY SERVICE

- Reviewer for CVPR, ICCV, ECCV, IJCV, AACL, WACV, BMVC, TAFCC, ICIP, Pattern Recognition, and TPAMI.
- Student Volunteer, NeurIPS 2019 & 2020