

MAGDALINI PASCHALI

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Google Scholar

Menlo Park, CA / US Permanent Resident

magda-paschali

MaggiePas

magdapasc

MACHINE LEARNING & MEDICAL IMAGING SCIENTIST

Postdoctoral scholar at Stanford University with 8 years of research experience and 25+ peer-reviewed publications. Specialist in developing and evaluating robust, generative, and multimodal AI for medical diagnostics.

EXPERIENCE

Postdoctoral Scholar in Machine Learning for Medical Imaging

Stanford University

Jan 2022 - Present

Stanford, CA

- Developed adversarial testing frameworks for evaluating LLM-generated patient summaries in radiology.
- Trained text-conditioned diffusion models for CT data generation.
- Contributed to the evaluation of foundation models for CT and X-ray image interpretation.
- Authored a comprehensive review of foundation models in radiology.
- Developed multimodal and interpretable ML methods for the understanding, diagnosis, and treatment of neuropsychiatric disorders.

Doctoral Machine Learning Researcher

Technical University of Munich (TUM)

Nov 2017 - Oct 2021

Munich, Germany

- Thesis: *Learning Robust Representations for Medical Diagnosis* (Summa Cum Laude)
- Proposed novel methods for quantifying and improving model robustness in medical imaging, forming the core contribution of my Ph.D. thesis (Summa Cum Laude) and resulting in publications at MICCAI and IPMI.
- Lead the COVID-19 research activities of 20 computer scientists and clinicians.
- Mentored the theses of 10+ undergraduate and graduate students.

TECHNICAL SKILLS

Programming	Python	Pytorch	Github	scikit-learn, pandas, NumPy
Machine Learning	Vision-language models	Generative AI	LLM Evaluation	Model Robustness
Languages	English (Fluent)	Greek (Native)	German (C1)	

EDUCATION

Ph.D. in Computer Science, Summa Cum Laude

Technical University of Munich, Germany

2017 - 2021

M.Sc. in Computer Science

Technical University of Munich, Germany

2015 - 2017

B.Sc. in Computer Science

Aristotle University of Thessaloniki, Greece

2011 - 2015

HONORS & AWARDS

- Offered Assistant Professorship in Biomedical AI, Friedrich-Alexander University of Erlangen-Nuremberg (2025)
- Best Oral Paper, MIDL (2024)
- Best Paper Award, PRIME-MICCAI (2022)
- Best Paper Award, UNSURE-MICCAI (2021)
- Best Poster Award, IPMI (2019)
- Graduate Student Travel Award, MICCAI (2019)