M P

MAGDALINI PASCHALI

Menlo Park, CA
N /A
paschali@stanford.edu

- Machine Learning Researcher with an established record of scientific contributions in the field of deep learning for medical imaging.
- Experienced in developing cutting-edge machine learning techniques for various tasks, including classification, segmentation and reconstruction with multiple data modalities, such as natural images, CT/MRI scans, tabular data and raw signals.
- Versed in written and oral communications to diverse audiences from students and academics to business leaders.

EXPERIENCE

POSTDOCTORAL SCHOLAR - (JAN. 2022 - PRESENT)

STANFORD UNIVERSITY, COMPUTATIONAL NEUROIMAGE SCIENCE LAB - Stanford, USA

Develops machine learning methods that can improve the understanding, diagnosis and treatment of neurpsychiatric disorders.

RESEARCH ASSISTANT - (NOV. 2017 – OCT. 2021)

TECHNICAL UNIVERSITY OF MUNICH - Munich, Germany

- Conducted research with the goal of increasing robustness of machine learning models for medical imaging applications.
- Published more than 15 high-impact scientific papers.

VISITING STUDENT - (OCT. 2020 – OCT. 2021)

STANFORD UNIVERSITY, COMPUTATIONAL NEUROIMAGE SCIENCE LAB - Stanford, USA

Developed machine learning methods to predict symptoms of depression in adolescents based on longitudinal assessments.

PUBLIC RELATIONS OFFICER - (NOV. 2017 – NOV. 2020)

MICCAI STUDENT BOARD - Munich, Germany

Increased community engagement for student activities, such as webinars, challenges and networking events using social media.

RESEARCH ASSISTANT - (AUG. 2018 – NOV. 2018)

LUDWIG MAXIMILIAN UNIVERSITY OF MUNICH, AI-MED LAB - Munich, Germany

Proposed a novel data augmentation technique that increased the performance and robustness of deep models.

EDUCATION

Ph.D. - (NOV. 2017 – OCT. 2021)

TECHNICAL UNIVERSITY OF MUNICH- Munich, Germany

Thesis: **Learning Robust Representations for Medical Diagnosis**

Grade: **Summa Cum Laude**

M.Sc. Informatics - (OCT. 2015 – OCT. 2017)

TECHNICAL UNIVERSITY OF MUNICH- Munich, Germany

Thesis: **Security of Deep Learning under Adversarial Settings**

B.Sc. Informatics - (SEP. 2011 – JUL. 2015)

ARISTOTLE UNIVERSITY OF THESSALONIKI- Thessaloniki, Greece

SKILLS

- Python
- PyTorch
- Leadership
- Scientific Writing
- Project Management

LANGUAGES

English – Cambridge Proficiency

Greek – Native Speaker

German – Goethe C1 Zertifikat