Maarten Poirot

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BIO

ML engineer with international research experience in health care, and a broad interest in technical solutions that will shape our future.

EXPERIENCE

Amsterdam UMC, *PhD Candidate* 2020 – 2024
Machine learning-based early prediction of antidepressant treatment response using brain MRI data. (DOI: 10.1176/appi.ajp.20230206).

Massachusetts Institute of Technology, *Research affiliate and collaborator* 2019 – 2020
Privacy-preserving distributed machine learning at MIT Media Lab presented at NeurIPS 2019 (aXiv:1912.12115v1) and in 'Artificial Intelligence in Medicine' (ISBN: 978-0-12-821259-2)

Harvard Medical School and Massachusetts General Hospital, *Visiting research scholar* 2018 – 2020
Physics-informed deep learning for CT reconstruction (DOI: 10.1038/s41598-019-54176-0).
Clinical Applications of Dual Energy CT in Neuroradiology (ISBN: 978-0-42-948611-1).
Harvard Medical School courses on Informatics. TA in deep learning and Python.

Netherlands Cancer Institute, *Deep learning research intern* 2018
2.5D CNN - based multi organ segmentation for use in oncological surgery planning.

UMC Utrecht, *Researcher and scientific software developer* 2017 – 2018
Quantification of retinal calcification in OCT for treatment response monitoring in PXE (DOI: 10.1167/TVST.9.8.34).

University of Twente, *Scientific data analyst* 2016 – 2017
Providing data and statistical analysis for study theses.

SKILLS AND TRAITS

Languages	Dutch (native), English (C2), German (B2)
Programming Languages	Python, Bash, Git, Matlab, Tensorflow, React, php, SQL, C#, …
Traits	Curious, creative, motivated, conscientious, disciplined
Interests	Data, machine learning, healthcare, economics, politics, rowing, triathlon

EDUCATION

Saitama University Japan, *Graduate School of Science and Engineering* 2018

University of Twente, *MSc Technical Medicine (180 ECTS)* 2016 – 2020

University of Twente, *BSc Technical Medicine (180 ECTS)* 2013 – 2016

Gymnasium Celeanum, *Gymnasium (NG, NT, EM)* 2007 – 2013