Bram **de Wilde**

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After a PhD in deep learning for medical imaging, I am looking for a new challenge. I would like to dive deep into state-of-the-art AI research and preferably take my career into a **fundamental** and **theoretical** direction. Let's meet!

Education

PhD in Deep Learning for Medical Imaging — *Nijmegen, The Netherlands*
Radboud university medical center — *Oct. 2019 - Oct. 2023*
- Topic: AI-assisted detection of adhesions on cine-MRI

MSc. Applied Physics + Applied Mathematics — *Enschede, The Netherlands*
University of Twente — *Sep. 2016 - Jul. 2019*
- Materials Science and Scientific Computing + Research Honours track

Internship at IBM Research — *Zurich, Zwitserland*
Cloud and Computing Infrastructure department — *Sep. 2017 - Dec. 2017*
- Experiments and simulations on 1/f noise in phase-change memory devices

BSc. Applied Physics — *Enschede, The Netherlands*
University of Twente — *Sep. 2013 - Jul. 2016*
- Minor in secondary school Physics education

Publications

First author / equal contribution

1. Bram de Wilde, Anindo Saha, Richard PG ten Broek, and Henkjan Huisman. *Medical diffusion on a budget: textual inversion for medical image generation*. arXiv preprint arXiv:2303.13430. 2023

2. Bram de Wilde, Richard PG ten Broek, and Henkjan Huisman. *Cine-MRI detection of abdominal adhesions with spatio-temporal deep learning*. Medical Imaging with Deep Learning. 2021

3. Natália Alves and Bram de Wilde. *Uncertainty-Guided Self-learning Framework for Semi-supervised Multi-organ Segmentation*. MICCAI Challenge on Fast and Low-Resource Semi-supervised Abdominal Organ Segmentation. 2022

4. Henri Tertilt, Jesse Bakker, Marlon Becker, Bram de Wilde, et al. *Hopping-transport mechanism for reconfigurable logic in disordered dopant networks*. Physical Review Applied. 2022

5. Bram de Wilde, Frank Joosten, Wulphert Venderink, Mirjam EJ Davidse, et al. *Inter- and Intra-Observer Variability and the Effect of Experience in Cine-MRI for Adhesion Detection*. Journal of Imaging. 2023

6. Bastiaan AW van den Beukel, Bram de Wilde, Frank Joosten, Harry van Goor, et al. *Quantifiable Measures of Abdominal Wall Motion for Quality Assessment of Cine-MRI Slices in Detection of Abdominal Adhesions*. Journal of Imaging. 2023

Co-author

7. Nikolas Lessmann, Clara I Sánchez, Ludo Beenen, Luuk H Boulogne, et al. *Automated assessment of COVID-19 reporting and data system and chest CT severity scores in patients suspected of having COVID-19 using artificial intelligence*. Radiology. 2021

8. Tao Chen, Jeroen van Gelder, Bram van de Ven, Sergey V Amitonov, et al. *Classification with a disordered dopant-atom network in silicon*. Nature. 2020

Certificates & Awards

2023	**University Teaching Qualification***, Radboud University, Faculty of Science (*Evaluation in October)
2016	**ASML Technology Scholarship**, €10,000 MSc funding, ASML
2012	**Certificate of Proficiency in English (C2)**, Cambridge English

Skills

Programming	Python, Bash, LaTeX, MATLAB, Docker, SLURM
Python libraries	PyTorch, Tensorflow, scikit-learn, numpy, pandas

Teaching

Student supervision

FACULTY OF SCIENCE, RADBOUD UNIVERSITY

- Nathan Golden, MSc Data Science   Sep. 2022 - Mar. 2023
- Evgenia Martynova, MSc Data Science   Mar. 2021 - Aug. 2021
- Mirjam E.J. Davidse, Juliëtte Geurts, Hanneke Kruijt, Afke Vermeulen, BSc Technical Medicine   Mar. 2021 - Jun. 2021

Intelligent Systems for Medical Imaging (MSc)

FACULTY OF SCIENCE, RADBOUD UNIVERSITY   *Spring 2022, 2023*

- Lecturer, coordinator of assignments

Artificial Intelligence for Health (BSc)

FACULTY OF MEDICAL SCIENCES, RADBOUD UNIVERSITY   *Spring 2021, 2022, 2023*

- Lecturer, co-coordinator course

Text and Multimedia Mining (MSc)

FACULTY OF ARTS, RADBOUD UNIVERSITY   *Fall 2021*

- Exam design, coaching project groups

Data Mining (BSc)

FACULTY OF SCIENCE, RADBOUD UNIVERSITY   *Fall 2021*

- Teaching assistant