

Robin Camarasa



June 4th, 1996



Rotterdam, The Netherlands



robin.camarasa@pm.me



[robincamarasa.github.io](https://github.com/robincamarasa)



bit.ly/3q2I1fF



bit.ly/30Bi8zV



Car Driving License

Languages

French (Native)

English (Fluent)

Spanish (Proficient)

Dutch (Intermediate)

Skills

AI Tools (Torch, Scikit-learn, Keras)

Scientific Prog. (Python, Matlab, R)

Object Oriented (Java, Python)

Scripting (Shell, Python)

Functional Prog. (OCaml, Haskell)

Linux (Debian, Arch, Redhat)

Git (Github, Gitlab)

Containers (Docker, Singularity)

Database (SQL)

Low level (C, Rust)

Web (Django, Symfony, VueJS)

Hobbies

Swimming - Reading - DIY

Finishing a Ph.D. in Artificial Intelligence and Medical Imaging, I have a broad interest in (computer) science and its application.

Experiences

- 2019- **Erasmus MC - Ph.D. student** Rotterdam
Ph.D. project focused on uncertainty assessment and interpretability of Convolutional Neural Networks, applied to cardiovascular diseases. (contacts: marleen.debruijne@erasmusmc.nl, d.bos@erasmusmc.nl)
- 2021-2023 **Erasmus MC - Scientific Programmer** Rotterdam
Teaching programming good practice to the members of the group (code versioning, test driven development, continuous integration)(contact: marleen.debruijne@erasmusmc.nl)
- 2021-2023 **Erasmus MC - Teacher** Rotterdam
Teaching Python and Git for the master Clinical Technology of the TU Delft. (contact: t.vanwalsum@erasmusmc.nl)
- 2020-2023 **Erasmus MC - GPU cluster administration** Rotterdam
Part of the administration team of a GPU cluster (50 active users). In charge of the administration of available modules (contact: m.koek@erasmusmc.nl)
- 2019 **DataGenius - Internship** Lyon
A 6-month Data Sciences internship covering a wide range of projects from Business Intelligence to theoretical Machine Learning (Spiking Neural Networks) for customers. (contact: samy@edenai.co)
- 2018 **Erasmus MC - Internship** Rotterdam
A 3-month internship. Application to two MRI Segmentation International Challenges (coroflo team MRBrainS: [11th out of 23](#); coroflo team WMH: [7th out of 55](#)) (contact floriandubost1@gmail.com)

Education

- 2016-2019 **Mines de Saint-Etienne - ICM Engineering degree** Saint-Etienne
Master of science majoring in data science and computer science in a top French [engineering school](#) (ranking [10th out of 170](#)). Courses in data science, web programming, IoT, big data, image analysis, artificial intelligence.
- 2014-2016 **Lycée Fermat - Classes Préparatoires** Toulouse
2-year undergraduate intensive courses in a top [preparatory class](#) in France (ranking [11th out of 142](#)). Course in Algebra, Mathematics Analysis, Physics, and Theoretical Computer Science

Main academic output

- 2023 **Nested star-shaped objects segmentation using diameter annotations** Rotterdam
Publication in [Medical Image Analysis](#) (impact factor: 10.9, top journal in the field)
- 2022 **Differentiable Boundary Point Extraction for Weakly Supervised Star-shaped Object Segmentation** Rotterdam
Runner-up for best paper and oral presentation at [MIDL 2022](#) conference.
- 2020-2021 **Quantitative Comparison of Monte-Carlo Dropout Uncertainty Measures for Multi-class Segmentation** Rotterdam
[Oral presentation](#) at UNSURE workshop of MICCAI 2020 conference, followed by a journal publication in [MELBA](#).
- 2020 **Uncertainty-Based Segmentation of Myocardial Infarction Areas on Cardiac MR Images** Rotterdam
Publication at [STACOM workshop](#) of MICCAI 2020 conference, followed by a publication in [Medical Image Analysis](#)