Robin Camarasa

Ph.D. Student in
Artificial Intelligence

- June 4th, 1996
- Rotterdam, The Netherlands
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- robincamarasa.github.io
- bit.ly/3q2I1iF
- bit.ly/3OBi8zV
- Car Driving License

Languages

French (Native)

English (Fluent)

Spanish (Proficient)

Dutch (Intermediate)

Skills

AI Tools (Torch, Scikit-learn, Keras)

Scientific Prog. (R, Python, Matlab)

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 - Cooking - 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 various type 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 (Data Science, Web Programming, Big Data, Image Analysis, Artificial Intelligence)

2014-2016   **Lycée Fermat - Classes Préparatoires**   Toulouse
2-year undergraduate intensive course in Physics, Algebra, Mathematics Analysis 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