Edoardo Filippi

in edoardo-filippi98 | ✉ edoardofilippi19998@gmail.com | ▪ +491774933619

WORK EXPERIENCE

Research Assistant
Oct 2023 - present
JGU Universitätsmedizin, Mainz, Germany

TransMed program. Experimental investigation of neuronal mechanisms in movement disorders. Analysis and interpretation of NGS datasets and neuroimaging data using R and Python. Python tools for automation and image processing and managing the Linux containerization infrastructure.

Research Assistant - Master's Thesis
Oct 2022 - Jun 2023
IBEB Lisbon, Lisbon, Portugal

Development of a deep learning method for segmentation of brain tissue and parcellation into regions and networks. Deep learning model running on a linux machine, developed using Python and the data science packages (scikit-learn, pandas, PyTorch, numpy). Experience using Docker and Linux.

Internship - Bachelor's Thesis
Nov 2019 - Mar 2020
LINKS Foundation, Torino, Italy

Generation and extrapolation of SAR maps using the bio-electromagnetic software Sim4Life and MATLAB.

EDUCATION

Biomedical Engineering, M.Sc.
Mar 2021 - Jul 2023
Politecnico di Torino, Torino, Italy

E-health curriculum, with a focus on computer science, artificial intelligence and practical team projects

Biomedical Engineering, B.Sc.
Jan 2017 - Mar 2021
Politecnico di Torino, Torino, Italy

SKILLS

Python	Very good knowledge, advanced courses offered by the university and at lest 4 years of experience
R	In my actual position I work with the R ecosystem
Docker	3 years of experience
Linux	2 years of experience with Linux servers
Git, CI/CD	Good knowledge
IT	Knowledge of other languages such as C#, C, MATLAB, Bash and basic knowledge of Web development, Java, SQL
Certificates	Coursera IBM: Node.js and Express, Introduction to Git, Python data structures, Introduction to Cloud computing. Cambridge English: CAE. Politecnico di Torino: Advanced data structures in Python

LANGUAGES

English	C1
German	C1
Italian	Mother tongue