Fabio Brau
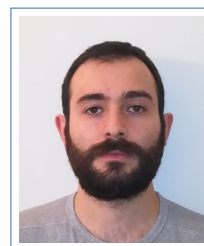
Curriculum Vitae

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Orotelli (NU), Italy, 08020
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Personal Information

Birth	May 2 1992, Nuoro, Italy
Nationality	Italy
Residence	Orotelli (NU), Italy
Domicile	Pisa (PI), Italy

Work Experience

Jan.2020 - Dec.2020	**Research Fellow**, *Sant'Anna University*, Pisa (PI). **Description:** Artificial Intelligence for Cloud-NFV Data Center Operations in collaboration with Vodafone Italia S.p.A
Jul.2019 – Dec.2019	**Analytic and Data: Data Scientist**, *Stage*, at Jakala, Milano (MI). **Activity**: Neural Network Models for Recommender Systems, PCA and clustering for data driven analysis.

Education and Training

2016 – 2019	**Laurea Magistrale**, *Università di Pisa*, Matematica, *EQF − 7*. 110/110 L
2017 – 2018	**Master M1 Acsyon**, *Université de Limoges*, Matematica Applicata. **Description:** Methods and software (AMPL, Maple, Matlab, Sage, FreeFem++) to solve optimization problems, fitting data, stability of dynamic systems.
2011 – 2015	**Laurea Triennale**, *Università di Pisa*, Matematica, *EQF − 6*. 96/110

Master Thesis

Title	*Defenses against adversarial examples in deep neural networks*
Url	ETD available link
Supervisor	Professor Giancarlo Bigi
Keywords	Deep Learning, Neural Networks, Adversarial Examples, Robust Optimization

Personal Skills

Languages

Italian	Mothertongue

English	Listening(B1), Reading(B2), Speaking(B1), Writing(B2)

Digital Competences

Programming Languages	Python *(Pandas, PyTorch, Jupyter, PySpark)* Fortran *(LAPACK, OpenMP)* Others: Bash, C.
Software Applications	Matlab, AMPL, Sage, LaTeX, Git, Linux