

# Curriculum Vitae

## PROFESSIONAL EXPERIENCE

- **Scientific Committee STITCH (Rome, Italy, 2019-Current)**

Sapienza information-based Technology Innovation Center for Health, research center

- **PhD Traineeship @Brigham Women's Hospital (Boston, USA, 2019-Current)**
- **EURECAT! (Barcelona, Spain, 2016-2017)**

Data Scientist Intern in the research team of Eurecat!, Research Center of Barcelona

## EDUCATION

- **PhD Eng. in Computer Science (Rome, Italy, 2017- Current)**

PhD student at Sapienza University of Rome, focused on Machine Learning and Deep Learning problems and their application to Medical data and Network Medicine.

- *PhD Fellowship at Brigham Women's Hospital, (Boston, 2019 - Current)*

- **M.Sc. in Data Science (Rome, Italy, 2015- 2017)**

Sapienza University of Rome – **Graduation with honors** (110/110). Thesis on "*A multilayer graph framework to study brain's neural networks*"

- **B.Sc. in Management Engineering (Rome, Italy, 2011- 2014)**

Sapienza University of Rome – **Graduation with honors** (110/110). Thesis on the "*Analysis of the Digital Divide in Italy*"

## TEACHING

- **Data Science course (Rome, Italy, 2019)**

Main organizer and teacher of a full intense course (240 h), from basic to advance Data Science course,

- **Neural Network lectures @SAPIENZA (Rome, Italy, 2018 - 2020)**

Neural Network 101 and Convolutional Neural Network, in the Data Mining Technology Course, in Data Science Master.

- **Python crash course @SAPIENZA (Rome, Italy, 2017)**

A week intense crash course in python for Data Science Master Students.

## LANGUAGES:

- **Italian:** Mother tongue
- **English and Spanish:** Advanced

## PUBLICATIONS:

- Gentili Michele, Sara Hajian, and Carlos Castillo. "A Case Study of Anonymization of Medical Surveys." *Proceedings of the 2017 International Conference on Digital Health*. ACM, 2017.
- "Polynomial Time Approximation Schemes for All 1-Center Problems on Metric Rational Set Similarities" to *Algorithmica Journal* (2020).
- M. Gentili, L. Martini, M. Petti, L. Farina and L. Becchetti, "Biological Random Walks: Integrating heterogeneous data in disease gene prioritization," *2019 IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB)*, Siena, Italy, 2019, pp. 1-8, doi: 10.1109/CIBCB.2019.8791472.
- Rodríguez-Rodríguez, Ignacio, et al. "Utility of Big Data in Predicting Short-Term Blood Glucose Levels in Type 1 Diabetes Mellitus Through Machine Learning Techniques." *Sensors* 19.20 (2019): 4482.
- Silverman, Edwin K., et al. "Molecular networks in Network Medicine: Development and applications." *Wiley Interdisciplinary Reviews: Systems Biology and Medicine* (2020): e1489.