

# Cecilia Salvatore, Ph.D. Student



15 September 1995



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Last edit: June 23, 2022

## Employment History

Jun. 2021 – current



**WSENSE S.r.l.**, Data Analyst

Machine Learning and Data Analytic techniques for Environmental Monitoring and Aquaculture; development of Event Detection and Risk Forecasting solutions

## Research Experience

Nov. 2020 – current



**Ph.D. student in Computer Science, Control and GeoInformation**

Department of Civil Engineering and Computer Science

University of Rome Tor Vergata

Tutor: Prof. Veronica PICCIALLI

May 2020 – Nov. 2020



**Post-Degree Scholarship attendee**

Department of Civil Engineering and Computer Science

University of Rome Tor Vergata

Topic: *Optimization algorithms for Brain Computer Interface (BCI)*

Tutor: Prof. Veronica PICCIALLI

## Education

Oct. 2017 – Feb. 2020



**M.Sc. Computer and Information Engineering**, 110/110 cum laude

University of Rome Tor Vergata

Thesis: *Optimization and machine learning for P300 Spellers*

Supervisor: Prof. Veronica PICCIALLI      Assistant supervisor: Chiara LITI

Oct. 2014 - Oct. 2017



**B.Sc. Computer Engineering**, 110/110 cum laude

University of Rome Tor Vergata

## Research Publications

### Journal Articles

1

**Salvatore, C.**, Valeriani, D., Piccialli, V., & Bianchi, L. (2022). Optimized collaborative brain-computer interfaces for enhancing face recognition. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 30, 1223–1232. [doi:10.1109/TNSRE.2022.3173079](https://doi.org/10.1109/TNSRE.2022.3173079)



2

Bianchi, L., Liti, C., Liuzzi, G., Piccialli, V., & **Salvatore, C.** (2021). Improving P300 Speller performance by means of optimization and machine learning. *Annals of Operations Research*, 1–39.

[doi:10.1007/s10479-020-03921-0](https://doi.org/10.1007/s10479-020-03921-0)




## Awards and Achievements

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- 2022     **Scholarship** for attending the EURO PhD School on Data Driven Decision Making and Optimization
- 2021     **Student Award**, 8th International BCI Meeting <https://bcisociety.org/bci-meeting/>

## Teaching

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- A.Y. 2021-2022     Teaching at **Machine Learning Laboratory**  
*Preprocessing, Classification and Regression methods for Data Analysis*  
1st Level Master degree in Data Science  
University of Rome Tor Vergata
- A.Y. 2020-2021, 2021-2022     Tutoring at **Optimization Method for Big Data**  
*Hands-on Preprocessing and Classification methods for Data Analysis*  
Master's degree in Computer and Information Engineering  
University of Rome Tor Vergata
- A.Y. 2020-2021     Tutoring at **Machine Learning**  
*An introduction to Neural Networks and Deep Learning with TensorFlow*  
Master's degree in Computer and Information Engineering  
University of Rome Tor Vergata

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