Alessandro Corsini

Current Position

Ph.D. Student in Translational Neuroscience and Neurotechnology
Center of Translational Neurophysiology for Speech and Communication (CTNSC@UniFe), Istituto Italiano di Tecnologia
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GitHub: https://github.com/AlessandroCorsini

Job Experience

Research and development intern
Organic Bioelectronics Srl
Mar. – Aug. 2022 (Ferrara, Italy)
- Electrophysiological signal processing (EEG, EMG)
- Scientific literature research and writing

Education

Ph.D. in Translational Neuroscience and Neurotechnology
University of Ferrara
Nov. 2022 – To Date (Ferrara, Italy)

M.Sc. in Innovation in Information and Communication Technology
Technische Universität Berlin
Sept. 2020 – Oct. 2022 (Berlin, Germany)
Final grade: 1.5 / 1.0

M.Sc. in Computer Science and Engineering
Politecnico di Milano
Sept. 2020 – Sept. 2022 (Milan, Italy)
Final grade: 110/110 cum Laude

B.Sc. in Engineering of Computing Systems
Politecnico di Milano
Sept. 2017 – Sept. 2020 (Milan, Italy)
Final grade: 104/110

High School Diploma
Liceo Scientifico "Cosimo De Giorgi"
2012 – 2017 (Lecce, Italy)
Final grade: 100/100 cum Laude

Other certifications

Computational Neuroscience
Neuromatch Academy
July 2023
Certificate : https://alessandrocorsini.github.io/docs/Neuromatch%20Comp%20Neuroscience.pdf
- Machine and Deep learning
- Dynamical systems
- Stochastic processes
- ECoG-based motor imagery of tongue and hand gestures

Course material : compneuro.neuromatc.io/tutorials/intro.html
Project: github.com/AlessandroCorsini/NMA_2023_MotorImagery

EIT Label in Human-Computer Interaction & Design
(Minor in Innovation & Entrepreneurship)
European Institute of Innovation and Technology (EIT) Digital Master School
Nov. 2022

Digital Transformation for Organisational Resilience
EIT Digital & School of Economics and Business of Lublijana
Aug. 2021
- Lean startup approach
- Business model
- Innovation & Entrepreneurship

Hack the NECSTCamp
NECSTLab & Politecnico di Milano
Nov. 2020
- Hackathon
- Software development for a smart alarm

EleMenti d'Impresa
Politecnico di Milano
Dec. 2019
- Innovation & Entrepreneurship

Relevant university projects

Front-End/Back-End Headless CMS integration
DocVox & Technische Universität Berlin
Oct. 2021 – Feb. 2022 (Berlin, Germany)
GitHub : https://github.com/DocVox-Official/app-frontend.git; https://github.com/DocVox-Official/cms.git

Digital Transformation for the next pandemic tracking
Microsoft Garage & Politecnico di Milano
Feb. – July 2021 (Milan, Italy)
Report: https://polimi365-my.sharepoint.com/:b:/g/personal/10623885_polimi_it/EYOsBJo8dyhBttHsMYKcEdcBz7Q2TCu_OU_AQGdChcw3VA?e=0HQuYa

Advanced User Interfaces (MuseX)
i3Lab & Politecnico di Milano
Sept. – Feb. 2021 (Milan, Italy)
Natural science VR Museum in Unity, Youtube video: https://www.youtube.com/watch?v=Io4tcn5UZQc

Language

English: Advanced, **Italian:** Native

Softwares and programming languages

Python, Matlab, C, Java, C++, Unity, HTML, CSS, VueJs

Publications

"EEG Encoding of Speech Acoustics and Articulatory Features: A Partial Information Decomposition Study", M.Sc. Thesis (2022), https://hdl.handle.net/10589/195240

Work in progress

"The role of delta and theta bands in the articulatory encoding during speech listening", CTNSC@Unife.