

FLORA GIOCONDO CURRICULUM VITAE





Date of birth / 09/03/1993 Age/30 Place of birth / SAN GIOVANNI ROTONDO (FG) Nationality/ citizenship / Italy Via dei durantini 257/1, 00157 ROMA (RM) ID/4183418 updated on 27/05/23

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3510301181

FOREIGN LANGUAGE SKILLS



DIGITAL COMPETENCES

Self-assessment grid Compass Information processing Independent user Communication Proficient user Content creation Independent user Safety Proficient user Problem solving Proficient user

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: Yes / Doctoral studies

AVAILABILITY FOR BUSINESS TRAVELS: Yes, even frequently

AVAILABILITY TO RELOCATE ABROAD: Yes, even in non-European countries



Research fellow ISTITUTO DI SCIENZE E TECNOLOGIE DELLA COGNIZIONE ROMA (RM) 10/2020 - TODAY

Internship INSTITUTE OF COGNITIVE SCIENCES AND TECHNOLOGIES - CNR ROMA (RM) 03/2019 - 03/2020

WORK EXPERIENCES

Main activities and responsibilities: Experimental psychologist for two European projects:

 IM-TWIN: from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder
 PlusMe: Transitional Wearable Companions for the therapy with children with Autism Spectrum Disorders

Acquired skills and achieved objectives: Develop experimental protocols and perform analysis data with R studio. Employed as: office worker - fixed-length contract

Main activities and responsibilities: Elaboration of hypotheses, definition of the protocol, execution and analysis of the results of the following experiments:

- Aesthetic affordances: aims to explore how a particular feature of objects (shape) can induce two different motivational states that can be measured through biosensors. The aim is to assess whether aesthetic emotion can be examined through changes in the autonomic nervous system.

- Affordances and emotion: analysing whether passive viewing of emotional images influences the motor response to dangerous/neutral objects.

- Affordance and smartphones: analysing whether smartphones can elicit more affordances than other devices.

- Empath-AI: measuring the physiological response to emotional images using biosensors

- Affordance, EEG and peripersonal space: investigate whether EEG evidence supports the functioning of an inhibitory mechanism that interferes with the encoding of threatening objects and whether this mechanism can be influenced by the distance of an object

Acquired skills and achieved objectives: Python programming, data analysis, AI project manager, deep learning, machine learning, use of biosensor, TensorFlow, Keras, neuromarketing application, R Studio

Employed as: intern/trainee - internship

Main activities and responsibilities: Planning and execution of a research project in fMRI,including the creation of run,the recruitment of participants,acquisition of data and the data analysis.

Employed as: intern/trainee - undergraduate internship

Main activities and responsibilities: Participation in a research project aimed at the Italian validation of the RAT (The Remote Associates Test) and the identification of gender differences regarding divergent thinking and convergent thinking. Employed as: intern/trainee - undergraduate internship

Currently employed: Yes



Internship

ROMA (RM)

Internship

DELL'AQUILA

L'AQUILA (AQ)

11/2014 - 03/2015 other information

01/2018 - 07/2018

IRCCS

FONDAZIONE SANTA LUCIA

UNIVERSITÀ DEGLI STUDI

MASTER'S DEGREE

ACADEMIC STUDIES

Sapienza Università di Roma

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Facoltà di Medicina e Psicologia NEUROSCIENZE COGNITIVE E RIABILITAZIONE PSICOLOGICA

LM-51 - 2nd level degree in Psychology

Dissertation/thesis title: Response to chance heading in the cortical regions sensitive to your movement | Dissertation/thesis subject: COGNITIVE NEUROIMAGING | Thesis supervisor: GALATI GASPARE

Age at graduation: 25 | Official duration: 2 years Final degree mark: **110/110 cum laude** Graduation date: 04/12/2018

BACHELOR'S DEGREE 2012 - 2016 CERTIFIED TITLE



Università degli Studi dell'AQUILA Dipartimento di Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente

SCIENZE PSICOLOGICHE APPLICATE L-24 - 1st level degree in Psychology Dissertation/thesis title: Cognition and social cognition in spinocerebellar ataxia | Thesis supervisor: CURCIO GIUSEPPE Age at graduation: 22 | Official duration: 3 years Final degree mark: 107/110 Graduation date: 07/03/2016



OTHER POSTGRADUATE STUDIES

TRAINING COURSE

Corso di formazione sulle problematiche di sicurezza in RM Sapienza Università di Roma Training and information activities on specific risks in MRI for Tomographers: SIEMENS mod. ALLEGRA from 3 T; PHILIPS mod. ACHIEVA 3 T and mod. INGENIA of 1,5 T; ESAOTE mod. 0.31T O-SCAN



OFFICE AUTOMATION

APPLICATION SOFTWARE

COMPUTER PROGRAMMING

GRAPHICS AND MULTIMEDIA

INFORMATION TECHNOLOGY SKILLS

Office Suite: Microsoft Office (Highly Specialised) | Presentation Software: Microsoft PowerPoint (Highly Specialised) | Spreadsheets: Microsoft Excel (Highly Specialised) | Word Processors: Microsoft Word (Highly Specialised)

CAD - Assisted Design: Autodesk 3ds (Foundation) | Statistical analysis: R Studio (Highly Specialised) , SPSS (Highly Specialised)

Markup languages: LaTeX (Highly Specialised) | Programming languages: Python (Intermediate)

GIMP (Highly Specialised) | **Video Editing and Processing:** Kdenlive (Highly Specialised)



CONFERENCES AND SEMINARS

WORKSHOPS 19/06/2023

CONFERENCES

19/06/2023

Co-designing play activities and monitoring tools with smart interactive toys to support early intervention in ASD, Northwestern University in Chicago, Illinois.

During the workshop, addressed mainly to therapists, but also to researchers, educators, associations and software developers, we will show the experimental technological tools developed in the European projects PlusMe and IM-TWIN, including the promising results obtained in pilot tests with children with ND. im-twin.eu/idc_2023_workshop

ACM Interaction Design and Children (IDC) Conference , Chicago, Illinois, USA,

Presentation of Work in Progress: Supporting turn-taking activities: a pilot study using a smart toy with children with a diagnosis of

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CONVENTIONS 25/05/2023

WORKSHOPS 04/02/2023

CONFERENCES 11/07/2022

CONFERENCES 14/06/2022

WORKSHOPS 28/03/2022

WORKSHOPS 16/06/2021



CONFERENCE PROCEEDINGS

CONFERENCE PROCEEDINGS

JOURNAL ARTICLES

neurodevelopmental disorders

1° Convegno su Intelligenza Artificiale e Naturale, Consiglio Nazionale delle Ricerche, P.le Aldo Moro 7, Roma Organiser of the 1st convention on artificial and natural intelligence. Conventions as part of the events organised in honour of the centenary of the National Research Council centenario.cnr.it/evento/1-convegno-su-intelligenza...

Workshop on new technologies in neurodevelopmental disorders

The workshop was organised to provide the interested audience with an overview of the new technologies applied to the treatment of neurodevelopmental disorders, with particular reference to Autism Spectrum Disorder.

im-twin.eu/wp-content/uploads/2023/02/DELIVERA...

Joint International Conference on Digital Inclusion, Assistive Technology & Accessibility

Poster and Live demo of a working prototype of an interactive experimental toy to support early intervention in Autism Spectrum Disorders

ICCHP-AAATE 2022, Politecnico di Milano (POLIMI) - Polo Territoriale di Lecco, Via Gaetano Previati 1/c 23900 Lecco Poster with the title: PlusMe: a Transitional Wearable Companion as support tool to encourage social-emotional engagement in children with Autism Spectrum Disorders during early therapy.

IL DISPOSITIVO SPERIMENTALE PLUSME PER IL DISTRUBO DELLO SPETTO AUTISTICO

Organiser of the workshop held online (due to COVID-19) on 28 March 2022. The workshop focused on the PlusMe device, its technical features and the potential use with children with neurodevelopmental disorders; the experimental activities involving children with Autism Spectrum Disorders and the preliminary results; a new prototype of interactive toy - the octopus X-8 - specifically designed to support turn-taking games.

PlusMe: Transitional Wearable Companions for the therapy with children with Autism Spectrum Disorders

Organiser of the workshop held in Rome on 16 July 2021, at the Department of Human Neuroscience, Child and Adolescent Neuropsychiatry Section. The workshop focused on the PlusMe device. The use of this tool as a therapeutic support for autistic children.

PUBLICATIONS

F. Giocondo, N. Faedda, G. Cavalli, M. Schembri, F. Montedori, F. Giovannone, C. Sogos, V. Guidetti, V. Sperati, B. Özcan, G. Baldassarre, Supporting turn-taking activities: a pilot study using a smart toy with children with a diagnosis of neurodevelopmental disorders Organization: ACM Interaction Design and Children, IDC '23

Ozcan, B., Sperati, V., Giocondo, F., Schembri, M., & Baldassarre, G., Multi-sensory Wearable Bio-feedback Pillow to Enhance Genuine Feeling of Intimate Connection <u>dl.acm.org/doi/abs/10.1145/3569009.3573114</u>

Caligiore, D., Giocondo, F., & Silvetti, M., The Neurodegenerative Elderly Syndrome (NES) hypothesis: Alzheimer and Parkinson are two faces of the same disease Publisher: IBRO Neuroscience Reports We propose a new perspective to frame AD and PD: they are different manifestations of a single disease that we call "Neurodegenerative Elderly Syndrome (NES)".

CONFERENCE PROCEEDINGS

Beste Ozcan, Valerio Sperati, Flora Giocondo, Massimiliano

Schembri, Gianluca Baldassarre, Interactive soft toys to support social engagement through sensory-motor plays in early intervention of kids with special needs

Giocondo F, Borghi AM, Baldassarre G, Caligiore D., Emotions

Modulate Affordances-Related Motor Responses: A Priming

curiosity to encourage social interactions in children with Autism

Organization: international conference of Human-Computer

Experimental Interactive Toy to Support Turn-Taking Games in

Özcan B., Sperati V., Giocondo F., Baldassarre G., 'X-8': An

Collection: Communications in Computer and Information

Organization: Stephanidis C., Antona M., Ntoa S. (eds) HCI

Children with Autism Spectrum Disorders

International 2021 - Posters. HCII 2021 10.1007/978-3-030-78635-9_32

F. Giocondo, N. Faedda, G. Cavalli, V. Sperati, B. Özcan, F. Giovannone, C. Sogos, V. Guidetti, G. Baldassarre, Leveraging

Experiment

Spectrum Disorders

Interaction CHI 2022

Science, vol 1419

JOURNAL ARTICLES

CONFERENCE PROCEEDINGS

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JOURNAL ARTICLES

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Dimitrios Kour, Motor inhibition to dangerous objects: Electrophysiological evidence for task-dependent aversive affordances Review: Journal of cognitive neuroscience pubmed.ncbi.nlm.nih.gov/33571078/
Flora Giocondo and Giuseppe Curcio, Spinocerebellar ataxia: a critical review of cognitive and socio-cognitive deficits Review: International Journal of Neuroscience The aim of this review is to provide a critical discussion on cognitive and sociocognitive implications of spinocerebellar ataxias (SCAs) subtypes. doi.org/10.1080/00207454.2017.1377198

Magda Mustile, Flora Giocondo, Daniele Caligiore, Anna M. Borghi,

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