

PERSONAL INFO



GIOVANNI FEDERICO

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👤 Sex M | Date of birth 10/04/1989 | Nationality Italian

PROFESSIONAL EXPERIENCE

April 2020 – To date Psychologist (Italy)
Italian professional title issued by "Ordine degli Psicologi della Regione Campania".
More info about my clinical activity is available online at www.neuropsicologo.net.

Oct. 2017 – To date Psychologist specialised in Neuropsychology (France)
French professional title obtained through the acquisition of the international Master 2 in Psychology of Neurocognitive Processes and Emotional Sciences, issued by University of Lille 3 "Charles de Gaulle" (Lille, France).

Nov. 2009 – Oct. 2017 Scientific Consultant
IRCSIA S.r.l. – Istituto di Ricerca e Certificazione per la Statistica e l'Informatica applicate.
IT Consulting – Data Acquisition Automation – Data Analysis.

Nov. 2009 – Oct. 2012 IT Consultant
IT Consulting – Software & Web Engineering – Internetworking Services.

EDUCATION

Oct. 2017 – To date Ph.D. in Experimental Psychology and Cognitive Neuroscience
Suor Orsola Benincasa University (Naples, Italy), University of Edinburgh (UK).
Double degree (International Ph.D.).

Oct. 2015 – Sept. 2017 Master 2 in Psychology of Neurocognitive Processes and Emotional Sciences
Master de Sciences Humaines et Sociales, Mention Psychologie – PSYM2-204.
University of Lille 3 "Charles de Gaulle" (Lille, France) – Double Degree.
Obtained on September 28, 2017.

Oct. 2015 – Sept. 2017 M.Sc. in Psychology of Cognitive Processes
University of Campania "Luigi Vanvitelli" (Caserta, Italy) – Double Degree.
Obtained on September 18, 2017 with a rating of 110/110 cum Laude.

Oct. 2012 – July 2015 B.Sc. in Psychological Sciences and Techniques
University of Naples "Federico II" (Naples, Italy).
Obtained on July 10, 2015 with a rating of 110/110 cum Laude.

PERSONAL SKILLS

Native language	Italian				
Other languages	COMPREHENSION		SPEAKING		WRITTEN
	Listening	Reading	Interaction	Oral production	
English	B2	B2	B2	B2	B2
	Pearson EDI Jetset Certificate (English, CEFR B2), Certificate 601/5625/9.				
Communication	<ul style="list-style-type: none"> Ability to adapt to multicultural environments matured through work and study experiences abroad. Good communication skills in Italian and English. 				
Organizational and management	<ul style="list-style-type: none"> Leadership (I have directed several working groups). Organizational skills. Good experience in project planning management. Spirit of enterprise. 				
Digital competence	AUTOVALUTATION *				
	Information Processing	Communication	Contents creation	Security	Problems resolutions
	Advanced	Advanced	Advanced	Advanced	Advanced
	* Self-evaluation reference: http://europass.cedefop.europa.eu/it/resources/digital-competences .				
IT Skills	<ul style="list-style-type: none"> Operating Systems: Apple mac OS, Microsoft Windows, GNU Linux, OpenBSD. Productivity software (e.g., Microsoft Office, Apple iWork, Google Apps, OpenOffice). Multimedia editing software (e.g., Adobe suite, GIMP, Audacity, etc.). Programming languages: C, C++, Python, PHP, Matlab. Web Development: HTML (4/5), CSS, Javascript, node.js, AJAX, PHP-MySQL. DBMS: Oracle MySQL, MariaDB, MongoDB. Scientific Research Software (e.g., Matlab, PsychoPy, E-Prime, SuperLab, OpenSesame, Psychtoolbox, SMI Eye Tracking Software Kit (i.e., Experiment Center, iViewX, beGaze), BioPac AcqKnowledge, MNE (EEG, MEG, fMRI data analysis), NiPy (fMRI d.a.), EEGLab, ERPLAB, FieldTrip Toolbox, PyEEG, PyGaze, FMRIB Software Library (FSL), BrainVoyager, SPM). Statistical analysis software (e.g., R, TIBCO Statistica, IBM SPSS, JASP). Computer graphics and virtual reality software (e.g., Google SketchUp, Vizard, Unity). Neuroscience-related hardware and software prototyping, such as neural interfaces (Brain-Computer Interfaces) and electrophysiological devices (e.g., Arduino, OpenBCI, Raspberry Pi, Bitalino, etc.). 				
Driver's license (Italy)	A and B (Italian)				

RESEARCH TOPICS

My research interests are related to the following general domains: visual cognition, perception, neurobiology, neural correlates of consciousness, artificial intelligence, cognitive computational modelling, memory, embodied cognition, cognitive neuroscience and neuropsychology. My current research activities are related to human tool use and object semantics and, in particular, to their cognitive epistemological foundations and to their application effects on interface design (UI) and user experience (UX).

SCIENTIFIC PUBLICATIONS

- Federico, G., & Brandimonte, M. A. (2019, November). *Tool and object affordances: the role of thematic consistency in modulating visual exploration patterns and object recognition performance*. Poster session presented at the Trieste Symposium on Perception and Cognition, Trieste, Italy. DOI: <https://doi.org/10.13140/RG.2.2.15195.11049>.
- Federico, G., & Brandimonte, M. A. (2019). Tool and object affordances: An ecological eye-tracking study. *Brain and Cognition*, 135, 103582. DOI: <https://doi.org/10.1016/j.bandc.2019.103582>.
- Federico, G. & Gigliotta, O. (2015). GSRTM 1.0: un sistema cross-platform, integrato, low cost per la misurazione della risposta galvanica cutanea e la gestione di sessioni sperimentali. *NEA-SCIENCE - Giornale italiano di Neuroscienze, Psicologia e Riabilitazione*, 7, 57-59.

OTHER PUBLICATIONS

- Federico, G., & Manganiello, F. (2011). Corso di programmazione in C – Parte X: Test di autovalutazione. *Hacker Journal*, 213. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2011). Corso di programmazione in C – Parte IX: Intelligenza artificiale – Parte II. *Hacker Journal*, 210. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2011). Corso di programmazione in C – Parte IX: Intelligenza artificiale – Parte I. *Hacker Journal*, 209. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte VIII: Networking. *Hacker Journal*, 208. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte VII: Multiprocessing e Multithreading. *Hacker Journal*, 207. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte VI: Strutture, Unioni, Liste. *Hacker Journal*, 206. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di Programmazione in C – Parte V: Stringhe e file. *Hacker Journal*, 204. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte IV: Puntatori. *Hacker Journal*, 203. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte III: Array, Algoritmi di Ricerca ed Ordinamento. *Hacker Journal*, 202. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte II: Strutture di controllo e Funzioni. *Hacker Journal*, 201. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G., & Manganiello, F. (2010). Corso di programmazione in C – Parte I: Introduzione, Operatori, Variabili e Costanti. *Hacker Journal*, 200. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). OSSEC: Host-based intrusion detection & log monitoring – Parte II. *Hacker Journal*, 199. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). OSSEC: Host-based intrusion detection & log monitoring – Parte I. *Hacker Journal*, 198. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Introduzione ad OpenBSD. *Hacker Journal*, 197. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). TOR Shell: una backdoor del tutto anonima. *Hacker Journal*, 196. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Distributed denial of service attacks. *Hacker Journal*, 194. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Probing & Penetration Testing. *Hacker Journal*, 194. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). SQL Injection. *Hacker Journal*, 193. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Port knocking attraverso MAC ed URL Wrappers. *Hacker Journal*, 192. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Deep security auditing con Lynis. *Hacker Journal*, 192. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2009). Interview with Michael Boelen. *Hacker Journal*, 190. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2009). OpenBSD: un firewall d'eccellenza. *Hacker Journal*, 188. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2003). Bit Torrent: il peer-to-peer intelligente. *Hacker Journal*, 34. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). LAMP: Webserver sicuri con GNU/Linux. *Hackers Magazine*, 61. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). Recensione dell'iPhone 4. *Hackers Magazine*, 63. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). CYGWIN & MiniGW: Un po' di

- POSIX in Windows. *Hackers Magazine*, 59. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2010). I crittogrammi di Beale. *Hackers Magazine*, 60. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2003). Remote anything: controllo o spionaggio?. *Hackers Magazine*, 11. Cernusco sul Naviglio: Sprea Editori S.p.A.
- Federico, G. (2003). Shoutcast & Winamp lite: una radio online tutta per noi. *Hackers Magazine*, 10. Cernusco sul Naviglio: Sprea Editori S.p.A.

RESEARCH TOOLKITS

- [PsychoPy EEG Handler](#) | 2018
Client-server handler to manage EEG (Electroencephalography) experiments in Python. It can be used with any Python-powered software environment (e.g., PsychoPy). The client-server communication via TCP socket allows a simple triggers management. Tested with OpenBCI Ganglion board.
- [PyEDA](#) | 2018
PyEDA is a client-server tool to manage EDA (Electrodermal Activity) experiments in Python. It can be used with any Python-powered software environment. The client-server communication via TCP socket allows a simple triggers management. Tested with a low-cost device based on the Seeduino v. 4.0 and the GSR Grove sensor v. 1.1.
- [ETTK](#) | 2017
Eye Tracking Toolkit (ETTK) is a Web Application written in PHP/Python/MySQL to analyse by eye tracking the visuo-spatial attentional patterns of subjects looking at 3D computer-graphic images. It works with infrared eye trackers and standard webcams.
- [Galvanic Skin Response Manager](#) | 2015
Galvanic Skin Response Manager (GSRM) is a Web Application written in PHP/Python/MySQL to record skin conductance response (SCR), a psychophysiological index for cognitive load and emotional experience. The application permits to manage with effectiveness experimental sessions, and it's designed to work combined with GSRT (GSR Tool), an Arduino-based hardware SCR sensor.
- [Galvanic Skin Response Manager CLI](#) | 2015
GSRM-CLI 1.0 is the command line interface of GSRM (Galvanic Skin Response Manager) 1.0, optimized to operate via command line (terminal) if it isn't possible to use a browser or if it's not possible to satisfy technical requirements of the standard version of GSRM.
- [Galvanic Skin Response Tool](#) | 2015
GSRT (Galvanic Skin Response Tool) is a custom firmware for Seeduino Lotus (an arduino-based SoC) written in C using standard Arduino libraries. It enables the use of Groove GSR sensors to measure skin conductance response (SCR). The maximum tested frequency is 65 Hz.
- [Survey on LGBT discriminations in Naples](#) | 2014
Web engineering and development of the online questionnaire related to the survey conducted in Naples (Italy) within the DiverCity Project promoted by the Municipality and realized by a working group formed by the University of Naples "Federico II" (Sinapsi center), Arcigay, ArciLesbica and Arci Eventi associations and the social cooperative "Dedalus".
- [OSIRIS - Observatory on innovation in Campania](#) | 2012
Implementation of the "OSIRIS" Web Application: the observatory on innovation in Campania (Italy). Implementation of the innovation index calculation system based on a mathematical model on data related to 1600 companies from Campania (Italy) with a focus on eco-sustainable building. Implementation of the Web Application containing the calculation system.

IT SERVICES (2009 – 2017)

Overview Consulting S.r.l.

IT Consulting Services.

[ACEN - Associazione Costruttori Edili di Napoli](#)

Web design and web engineering.

[Antica Borgata S.a.s.](#)

Web development.

[ASSIMPRED - Associazione Imprenditori Edili di Roma](#)

Web development, brand & logo design.

[Associazione Italiana Organismi di Vigilanza Legge 231](#)

Website development.

[Banca di Credito Cooperativo di Napoli](#)

Internetworking Services - IT Security Services.

[Banca Monte dei Paschi di Siena S.p.A.](#)

Internetworking Services - IT Security Services.

[Bidwind Ltd. - Live Auctions Platform](#)

Web design and web engineering.

[Di. Elle. Effe. S.r.l.](#)

IT Consulting Services.

Fiart Mare S.p.A.
IT Security Services.
Hacker Journal website
Web development.
Hotel Domitiana S.r.l.
Web development.
In. Tra. Net. S.a.s.
Internetworking Services
Italy Paper S.r.l.
IT Consulting Services
Liceo statale "Federico Quercia"
IT Training.
Medinova S.r.l.

IT Security Services.
Microlab S.r.l.
IT Consulting Services.
N.G. Soft S.r.l.
IT Security Services.
Ranieri Consulting
IT Consulting Services.
S.I.M.E. Restauri S.r.l.
Web development.
Sprea Editori S.p.A.
iOS Apps development.
Termoclina Gas S.r.l.
Internetworking Services.

I **authorise** the processing of my personal data in accordance with current legislation.