Gabrieli Giulio

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SKILLS

CODING
Daily
Python • HTML • JavaScript
CSS • PHP •LaTeX
Often
Java • MySQL • Angular.js
MATLAB • jQuery • R • Bootstrap
• Materialize.css
Once in a while
AS3 • Ruby • C# • Node.js

SOFTWARE AND TOOLS
Daily
Brackets • Spyder IDE • Filezilla
Google Suite • Git Kraken
TeXstudio
Often
Adobe Photoshop & Adobe
Illustrator • GIMP • Audacity
EEGLab • Axure RP • OpenSignal
Android Studio
Once in a while
NetBeans • Adobe Flash Pro

USER RESEARCH
Daily
User-Centered Design • Concept
Testing • Questionnaire
Click-stream Analysis
Often
Card Sorting • Eye-tracking
Interviews • Participatory Design
A/B testing
Once in a while
Focus Groups

NEUROSCIENCE
Daily
Signal processing (fNIRS, EEG,
ECG, EMG, EDA, EDA,
Pupillometry)
Acoustic Analysis
Often
Questionnaire • Eye-Tracking
Behavior Analysis
Once in a while
Thermal imaging

VOLUNTEER WORK
Translator @ **Raspberry Pi
Foundation**

EDUCATION

NANYANG TECHNOLOGICAL UNIVERSITY
PHD STUDENT - PSYCHOLOGY PROGRAM
January 2019 - December 2022
School of Social Sciences (SSS)
CGPA: 4.80 / 5.0
GPA: 3.88 / 4.0

UNIVERSITY OF TRENTO
MASTER DEGREE IN HUMAN COMPUTER INTERACTION
September 2016 - July 2018
Department of Psychology and Cognitive Science Department of Information
Engineering and Computer Science
GPA: 3.64 / 4.0
110/110 with honors

BACHELOR DEGREE IN INTERFACES AND COMMUNICATION
TECHNOLOGY
September 2013 - September 2016
Department of Psychology and Cognitive Science
GPA: 3.63 / 4.0
110 / 110 with honors

NAGASAKI UNIVERSITY
ERASMUS+
October 2016 - March 2017

NANYANG TECHNOLOGICAL UNIVERSITY
SUMMER RESEARCH INTERNSHIP
June - July 2016 | Singapore

I.T.I.S. G.FERRARIS
INDUSTRIAL EXPERT TECHNICIAN: CHEMISTRY WITH SPECIALIZATION
IN FOOD TECHNOLOGY
September 2008 - June 2013

EXPERIENCE

SOCIAL AND AFFECTIVE NEUROSCIENCE LAB LAB | INTERN
January 2019 - Ongoing | Nanyang Technological University, Singapore
Signal processing (ECG, EDA, EMG, EEG, infant cry), Experimental design &
Data collection, Big Data Analysis, Manuscript preparation

AFFILIATIVE BEHAVIOUR AND PHYSIOLOGY LAB | INTERN
June 2015 - December 2018 | University of Trento, Italy
Signal processing (ECG, EDA, EMG, EEG, infant cry), Experimental design &
Data collection, Manuscript preparation

HELLAS VERONA F.C. S.P.A. | DATA ENTRY
June 2014 - December 2018 | Verona, Italy
IT support and digital tickets management.

UNIVERSITY OF TRENTO | RESEARCH ASSISTANT
June 2018 - September 2018 | University of Trento, Italy
Data analysis, manuscript preparation, speaker at scientific meetings.

UNIVERSITY OF TRENTO | SCIENTIFIC MEETING ORGANIZATION
June 2017 - August 2017 | University of Trento, Italy
Website design and IT support for 13th International Infant Cry Workshop.

OTHER INFORMATION

LANGUAGES
- Italian - Native speaker
- English - IELTS 7.5
- German - Gothe A1

CERTIFICATIONS
- Child & Infant First Aid Provider Course - Singapore Red Cross Academy (2019)
- Python 3 - Medium level - SkillValue (2018)

STUFF I LOVE
Nutella • Bodhrán • Raspberry Pi Coffee • Nintendo • Reading Linux • Retrogaming • Reddit Basketball • Computer Vision

PROFILES
LinkedIn://**giulio-gabrieli**
GitHub://**Gabrock94**
GitLab://**gack94**
Orcid://**0000-0002-9846-5767**
Researchgate://**Giulio_Gabrieli**

AWARDS
- **1st place**, UX Challenge, 1-2 December 2017, Trento (Italy)
- **Merit Award 2018**, University of Trento, Trento, (Italy)

OTHER POSITIONS
- **Vice-President** School of Social Sciences' Graduate Student Club, (2019 - ongoing)

EXPERIENCE - CONTINUED

RTS - REALTIME SPORTCAST | Match Reporter
June 2013 – July 2015 | Verona, Italy

P.P.T. S.R.L. | Intern
Septmber 2012 | Zevio, Italy
Quantitative analysis of wastewater.

ANTICO MOLINO ROSSO S.R.L. | Intern
June 2012 - July 2012 | Zevio, Italy
Qualitative and quantitative analysis of flour.

PUBLICATIONS

IN PRESS
- Bizzego, A., **Gabrieli, G.**, Azhari, A., Setoh, P., Esposito, G. (in press). *Computational methods for the assessment of empathic synchrony*, Smart Innovation, Systems and Technologies.
- **Gabrieli G.**, Azhari A., Esposito G. (*in press*), *PySiology: a Python Package for Physiological Feature Extraction*, Neural Approaches to Dynamics of Signal Exchanges, Smart Innovation, Systems and Technologies.

2019
- **Gabrieli G.**, Leck. W., Bizzego A., Esposito G. (2019), *Are Praat's default settings optimal for Infant cry analysis?*, Proceedings of the Linux Audio Conference 2019 [Conference Proceedings - PDF]

2018
- Esposito, G., Venuti P., Iandolo G., de Falco S., **Gabrieli G.**, Wei C., Bornstein, M.H., (2018), *Microgenesis of Typical Storytelling*, Early Child Development and Care, DOI:10.1080/03004430.2018.1554653 [PDF]

TALKS & POSTERS

- Bizzego, A., **Gabrieli, G.**, Azhari, A., Setoh, P., Esposito, G. (2019). Computational methods for the assessment of empathic synchrony, 29th Italian Workshop on Neural Networks, 12 - 14 June 2019, Vietri sul Mare, Italy
- Bizzego, A., **Gabrieli, G.**, Bornstein, M. H., Deater-Deckard, K., Putnick, D. L., Lansford, J. E., Bradley, R. H., Costa, M., Esposito, G., (2019). Adapting the MAQC-DAP to the UNICEF MICS Dataset to Predict Child Mortality in Low- and Middle-Income Countries, 3rd Annual MAQC Society Conference, 8-10 April 2019, Trento, Italy
- **Gabrieli, G.** (2019). Predicting Child Mortality in Low- and Middle-Income Countries: a big data approach, "3 Minute Thesis" Competition 2019, 29 March 2019, Nanyang Technological University, Singapore
- **Gabrieli G.**, Leck. W., Bizzego A., Esposito G. (2019), Are Praat's default settings optimal for Infant cry analysis?, Linux Audio Conference 2019, 23 - 26 March 2019, Stanford, U.S.A. [Conference Paper - PDF]
- Leck W., Azhari, A., Bizzego A., **Gabrieli G.**, Esposito, G. (2019), Mother-Child Brain Synchrony: A Unique Dyadic Coupling, International Symposium on Cognition and Neuroscience (ISCN), 8 March 2019, Singapore.
- **Gabrieli G.**, Esposito G., Neuroaesthetic of websites: evaluating the impact of expertise and exposure to website on aesthetic judgment (2018), International Association of Empirical Aesthetics Congress (IAEA), August 30 - September 2 2018, Toronto, Canada.
- **Gabrieli G.**, Truzzi A., Rigo P., Onnis L., Esposito G. (2018), Promoting empathy with rhymes: effects of poetry exposure on physiological arousal and empathic trait, European Society for Cognitive and Affective Neuroscience (ESCAN), 19-22 July 2018, Leiden, The Netherlands

TALKS & POSTERS - CONTINUED

- **Gabrieli G.**, Azhari A., Esposito G. (2018), *PySiology: a Python Package for Physiological Feature Extraction*, Italian Workshop on Neural Networks (WIRN), 13-15 June 2018, Vietri sul Mare, Italy.
- **Gabrieli G.**, Esposito G. (2018), *Neuroaesthetics and web design: how expertise shapes our perception of web pages*, Concepts, Actions, and Objects (CAOS), May 3-5 2018, Rovereto, Italy
- Venturoso L., **Gabrieli G.**, Truzzi A., Esposito G. (2018), *"Isn't it lovely?": Gender differences in response to babies and adults faces of different ethnic groups*, Concepts, Actions and Objects. Functional and Neural Perspectives (CAOs), May 3-5 2018, Rovereto (TN), Italy
- **Gabrieli G.** (2018), Vil S., Esposito G, Setoh P., Truzzi A., *Love patterns: a machine learning approach to the study of individuals' perception of romantic interactions in ongoing and past relationships*, Consortium of European Research on Emotion 2018, Glasgow (Scotland)
- **Gabrieli G.** Esposito G., Setoh P., Vil S., Truzzi A. (2018), A machine learning approach to the study of individuals' perception of romantic relationships, Cognitive Science Arena (CSA), February 23-24 2018, Brixen ()Italy.
- Ghilardi T., Bonassi A., **Gabrieli G.**, Doi H., Shinohara K., Esposito G. (2018). The influence of ethnicity in the recognition ability of emotional faces and voices. Cognitive Science Arena (CSA), February 23-24 2018, Brixen, Italy
- **Gabrieli G.**, Scapin G., Panzariello S., Esposito G. (2017), Analysis of available methods for Fundamental Frequency Estimation applied to the Infant Cry, 13th International Infant Cry Workshop, 6-8 July 2017, Rovereto (Italy)
- **Gabrieli G.** (2017), BCI 101 - Introduction to Brain Computer Interfaces, 13th Speck and Tech, Trento (Italy)
- **Gabrieli G.**, Lim M., Bolcato C., Truzzi A., Rigo P., Onnis L., Esposito G. (2017). Reading poetry increases adults' empathetic traits and moderated physiological arousal. Social and affective Neuroscience Society (SANS), Annual Meeting 16-18 March 2017, Los Angeles (USA)
- **Gabrieli G.**, Esposito G. (2016). The Dynamics of Love. Nanyang Technological University's Summer Research Internship (Singapore)

THESIS

- **Gabrieli G.**, Esposito G. (2018), Using users' physiological response to predict aesthetic experience of websites, Master Degree in Human-Computer Interaction, University of Trento (Italy) [PDF@UNITN]
- **Gabrieli G.**, Esposito G. (2016), Development of a Web platform for graphical data collection and analysis, Bachelor Degree in Interfaces and Communication Technology, University of Trento (Italy)

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