GIULIO BIONDI

FORMAZIONE

	2017-2021 Department of Mathematics and Computer Science, University of Florence/ University of Perugia
PhD in Computer Science	PhD student in the XXXIII cycle of the Doctoral programme in Mathematics, Computer Science, and Statistics, programme in consortium between University of Florence, University of Perugia, Istituto Nazionale di Alta Matematica "F. Severi". Ph.D. Thesis: *Evolutionary Discovery of Binary-Similarity Correlations for Link Prediction*. Tutor: Prof. Alfredo Milani, Dott. Valentina Franzoni
	2013-2017 Department of Mathematics and Computer Science, University of Perugia
Master in Computer Science	Master Degree in Computer Science, received on 20/04/2017 with 110/110 cum laude mark. Advisors: Prof. Alfredo Milani & Dr. Valentina Franzoni
	2009-2013 Department of Mathematics and Computer Science, University of Perugia
Bachelor of Computer Science	Bachelor Degree in Computer Science, received on 23/05/2013 with 110/110 cum laude mark. Advisors: Prof. Anna Martellotti & Prof. Sergio Tasso
	2004-2009 Science High School "Galileo Galilei", Perugia
Diploma, II degree	Science High School Diploma, mark 98/100

ESPERIENZE LAVORATIVE

	09/2021-present Post-Doc researcher, DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE, UNIVERSITY OF PERUGIA
UniPG	Post-doc researcher under the PRIN Project "PHRAME - PHRASEOLOGICAL COMPLEXITY MEASURES IN LEARNER ITALIAN", Grant n.20178XXKFY from Italian Research Ministry.
	2020-present Research and development team, UNIVERSITY OF PERUGIA
UniPG	Member of the COVID task Force for remote teaching and exams of the University of Perugia; member of the Research and Development team of the UniStudium platform, official e-learning platform of the University of Perugia.
	2017-present E-Learning platform administrator, UNIVERSITY OF PERUGIA
UniPG	Administrator of the UniStudium platform, official e-learning platform of the University of Perugia.
	09/2020-10/2020 Teacher Assistant, DEPARTMENT OF ECONOMICS, UNIVERSITY OF PERUGIA
UniPG	Student tutoring activity for the Informatics course, 1st year of Bachelor degree in Business Administration, academic year 2019-2020
	04/2019-06/2019 Teacher Assistant, DEPARTMENT OF ECONOMICS, UNIVERSITY OF PERUGIA

UniPG	Student tutoring activity for the Informatics course, 1st year of Bachelor degree in Business Administration, academic year 2018-2019

10/2017-12/2017   Lecturer, Ecipa Umbria

Ecipa Umbria	Teaching activity, course "Smart- Corso: Tecnico della gestione di grandi moli di dati - Data Scientist"

11/2016-04/2017   Teacher Assistant, Department of mathematics and Computer Science, University of Perugia

UniPG	Student tutoring activity and preparation of final projects for the Multimedia Systems course, 3rd year of Bachelor degree in Computer Science, academic year 2016-2017

06/2016-07/2016   Teacher assistant, Esebel (University of Perugia Spin-off), Perugia (Italy)

Esebel	Work as a teacher assistant for the course:"Building Intelligent Interactive Tutors: Adult trainee-centered strategies for lifelong e-learning. Erasmus+ KA1 for adult education staff mobility 2014-1-EL01-KA104-00125".Number of hours: 6.

04/2016-07/2016   Teacher Assistant, Department of mathematics and Computer Science, University of Perugia

UniPG	Student tutoring activity and exams assistance for the Java Programming course, 1st year of Bachelor degree in Computer Science, academic year 2015-2016

02/2016-07/2016   Developer and Computer System Specialist, Icosint S.R.L., Perugia (Italy)

Icosint S.R.L.	Development of new and improvement of existing tools for the Hydraulic Engineering laboratory at the DICA (Department of Civil and Environmental Engineering) of the University of Perugia

09/2015   Robot and apps developer, Department of mathematics and Computer Science, University of Perugia

EventItalia S.R.L.	Collaboration with the Department of Mathematics and Computer Science, University of Perugia, for the development of new autonomous agents and improvement of existing ones.Showcase of the agents during the "Todi Appy Days, 2nd edition" event

09/2014   Robot and apps developer, EventItalia S.R.L.

EventItalia S.R.L.	Collaboration with the Department of Mathematics and Computer Science, University of Perugia, for the development of autonomous agents.Showcase of the agents during the "Todi Appy Days" event

03/2014-06/2014   Teacher Assistant, Department of mathematics and Computer Science, University of Perugia

UniPG	Student tutoring activity for the Calculus course, 2nd year of Bachelor degree in Computer Science, academic year 2013-2014

ATTIVITÀ INTERNAZIONALI

2017-2019   University of Perugia, Italy - London Southbank University, United Kingdom

European Project	Participation in meetings and educational activities in the scope of the European Union Project "InventEUrs", project reference 580325-EPP-1-2016-1-ES-EPKA3-IPI-SOC-IN

2019   Hong Kong Baptist University, Hong Kong

Exchange Programme	Exchange period at the Department of Computer Science of Hong Kong Baptist University, Hong Kong. Research on Reinforcement Learning applied to traffic control problems.

2017   Internship tutor, Department of mathematics and Computer Science, University of Perugia

Tutoring activity	Internship tutor for the KitLab research group at the Department of mathematics and Computer Science, University of Perugia, during the VI summer exchange programme organized within the University of Perugia and Hong Kong Baptist University in June-July 2017

2014-2019   International student tutor, Department of mathematics and Computer Science, University of Perugia

Tutoring activity	Tutor for students from Hong Kong Baptist University during the III-VIII summer exchange programme (2014-2019) organized within the University of Perugia and Hong Kong Baptist University with the role of welcoming, logistic help and referral in English language.

2017   Hong Kong Baptist University, Hong Kong

Exchange Programme	Exchange period at the Department of Computer Science of Hong Kong Baptist University, Hong Kong. Writing of Master Degree Thesis

2014-2015   Politechnika Krakowska, Kraków (Poland)

Erasmus+	Erasmus+ study period at Politechnika Krakowska in Kraków, Poland

ALTRE ATTIVITÀ ACCADEMICHE

September 2021   Padova (Italy), online

Conference	Participation in "The 14th International Conference on Brain Informatics (BI 2021)" Workshop Organizer and Workshop chair roles.

September 2021   Cagliari (Italy)

Conference	Participation in "The 21st International Conference on Computational Science and its Applications (ICCSA 2021)" Workshop Organizer and Workshop chair roles.

July 2020   Cagliari (Italy), online

Conference	Participation in "The 20th International Conference on Computational Science and its Applications (ICCSA 2020)" Workshop Organizer and Workshop chair roles.

June 2020   Letterkenny (Ireland), online

Conference	Participation in "THE 31ST IRISH SIGNALS AND SYSTEMS CONFERENCE (VIRTUAL) (ISSC 2020)" Session Chair

July 2019   Saint Petersburg (Russia)

Conference	Participation in "The 19th International Conference on Computational Science and its Applications (ICCSA 2019)" Workshop Organizer and Workshop chair roles.

	December 2018	Turin (Italy)
Conference	Participation in "The Final Workshop of the 6th evaluation campaign EVALITA 2018"	
	November 2018	Trento (Italy)
Conference	Participation in "The 17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018)"	
	July 2018	Genova (Italy)
Summer school	Participation in "2nd International Summer School on Deep Learning 2018" summer school	
	August 2017	Leipzig (Germany)
Conference	Participation in "2017 IEEE/WIC/ACM International Conference on Web Intelligence (WI'17)"	

2022   Pubblicazioni

Baia, A. E., Biondi, G., Franzoni, V., Milani, A., and Poggioni, V. (2022). Lie to Me: Shield Your Emotions from Prying Software. Sensors, 22(3). https://doi.org/10.3390/s22030967

2021   Publication

Franzoni, V., Di Marco, N., Biondi, G., and Milani, A. (2021). Virtual Reality for Enhancement of Emotional Mindset in the First Lockdown of United Kingdom for the Covid-19 Pandemics. In M. Mahmud, M. S. Kaiser, S. Vassanelli, Q. Dai, and N. Zhong (Eds.), Brain Informatics (pp. 189–198). Springer International Publishing.

2021   Publication

Milani, A., and Biondi, G. (2021). Spatial Assignment Optimization of Vaccine Units in the Covid-19 Pandemics. In O. Gervasi, B. Murgante, S. Misra, C. Garau, I. Blečić, D. Taniar, B. O. Apduhan, A. M. A. C. Rocha, E. Tarantino, and C. M. Torre (Eds.), Computational Science and Its Applications – ICCSA 2021 (pp. 448–459). Springer International Publishing.

2021   Publication

Milani, A., Franzoni, V., and Biondi, G. (2021). Parsing Tools for Italian Phraseological Units. In O. Gervasi, B. Murgante, S. Misra, C. Garau, I. Blečić, D. Taniar, B. O. Apduhan, A. M. A. C. Rocha, E. Tarantino, and C. M. Torre (Eds.), Computational Science and Its Applications – ICCSA 2021 (pp. 427–435). Springer International Publishing.

2020   Publication

Franzoni, V., Biondi, G., and Milani, A. (2020). Emotional sounds of crowds: spectrogram-based analysis using deep learning. Multimedia Tools and Applications, 79(47–48), 36063–36075. https://doi.org/10.1007/S11042-020-09428-X

2020   Publication

Biondi, G., and Franzoni, V. (2020). Discovering Correlation Indices for Link Prediction Using Differential Evolution. Mathematics, 8(11). https://doi.org/10.3390/math8112097

2020   Publication

Franzoni, V., Biondi, G., and Milani, A. (2020). Exploring Negative Emotions to Preserve Social Distance in a Pandemic Emergency. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics): Vol. 12250 LNCS. https://doi.org/10.1007/978-3-030-58802-1_40

2020   Publication

Biondi, G., and Franzoni, V. (2020). Semantic Similarity Measures for Topological Link Prediction. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics): Vol. 12253 LNCS. https://doi.org/10.1007/978-3-030-58814-4_10

2020   Publication

Franzoni, V., Biondi, G., Perri, D., and Gervasi, O. (2020). Enhancing Mouth-Based Emotion Recognition Using Transfer Learning. Sensors, 20(18), 5222.

2019   Publication

Milani, A., Niyogi, R., and Biondi, G. (2019). Neural Network Based Approach for Learning Planning Action Models. In Computational Science and Its Applications – ICCSA 2019 (pp. 526–537). Cham: Springer International Publishing.

2019   Publication

Biondi, G., Franzoni, V., Gervasi, O., and Perri, D. (2019). An Approach for Improving Automatic Mouth Emotion Recognition. In Computational Science and Its Applications – ICCSA 2019 (pp. 649–664). Cham: Springer International Publishing.

2019   Publication

Franzoni, V., Milani, A., Biondi, G., and Micheli, F. (2019). A Preliminary Work on Dog Emotion Recognition. IEEE/WIC/ACM International Conference on Web Intelligence - Companion Volume, 91–96.

2019   Publication

Franzoni, V., Biondi, G., and Milani, A. (2019). Crowd emotional sounds: spectrogram-based analysis using convolutional neural networks (in press). IEEE International Conference on Systems, Man, and Cybernetics, SMC 2019, Bari, Italy, October 6-9, 2019.

2019   Publication

Milani, A., Spina, S., Santucci, V., Piersanti, L., Simonetti, M., and Biondi, G. (2019). Text Classification for Italian Proficiency Evaluation. Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 11619 LNCS, 830–841.

2018   Publication

Milani, A., Franzoni, V., Biondi, G., and Li, Y. (2018). Integrating Binary Similarity Measures in the Link Prediction Task. 2018 11th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI), 1–5.

2018   Publication

Santucci, V., Spina, S., Milani, A., Biondi, G., and Di Bari, G. (2018). Detecting hate speech for Italian language in social media. CEUR Workshop Proceedings, 2263.

2018   Publication

Biondi, G., Milani, A., and Baia, A. E. (2018). Differential evolution of correlation indexes for link prediction. Proceedings - 2018 International Conference on Computational Science and Computational Intelligence, CSCI 2018, 1483–1486.

2017   Publication

Biondi G., Franzoni V., Milani A.;"Semo. A Semantic Model for Emotion Recognition in Web Objects" 2017 IEEE/WIC/ACM International Conference on Web Intelligence (WI), Leipzig, Germany; 08/2017.CPS.

2017   Publication

Franzoni V., Biondi G., Milani A. (2017) A Web-Based System for Emotion Vector Extraction. In: Gervasi O. et al. (eds) Computational Science and Its Applications – ICCSA 2017. ICCSA 2017. Lecture Notes in Computer Science, vol 10406. Springer, Cham

2017   Publication

Biondi G., Franzoni V., Poggioni V. (2017) A Deep Learning Semantic Approach to Emotion Recognition Using the IBM Watson Bluemix Alchemy Language. In: Gervasi O. et al. (eds) Computational Science and Its Applications – ICCSA 2017. ICCSA 2017. Lecture Notes in Computer Science, vol 10406. Springer, Cham

2016   Publication

V. Franzoni, G. Biondi, Y. Li and A. Milani, "Web-Based Similarity for Emotion Recognition in Web Objects," 2016 IEEE/ACM 9th International Conference on Utility and Cloud Computing (UCC), Shanghai, 2016, pp. 327-332.

2016   Publication

arXiv:1612.05734 [cs.CL]

"Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679)."

August 29, 2022