Simone Marini

University of Florida
Department of Epidemiology
2004 Mowry Rd,
Gainesville, FL 32603
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Education

09/2008-11/2012	PhD., Bioengineering Thesis: “Qualitative and quantitative protein interaction prediction with machine learning”. Division of Bioengineering, Hong Kong University of Science and Technology, Hong Kong
10/2004-12/2007	MS, Biomedical Engineering Thesis: “Design of a classifier by coevolution of genetic algorithms and genetic programming”. Electrical, Computer and Biomedical Engineering department, University of Pavia, Italy
10/2000-03/2004	BS, Biomedical Engineering Thesis: “Bone tissue engineering, effects of mechanical shear stress on human osteoblast SAOS2”. Electrical, Computer and Biomedical Engineering department, University of Pavia, Italy

Professional Appointments

Research Assistant Professor

06/01/2020-present	Department of Epidemiology, and Emerging Pathogens Institute, University of Florida, Gainesville, FL, USA

Research Assistant Scientist

01/01/2020-05/31/2020	Department of Epidemiology, and Emerging Pathogens Institute, University of Florida, Gainesville, FL, USA

Research Investigator

08/01/2017-12/31/2019	Department of Surgery, and Department of Computational Medicine and Bioinformatics, University of Michigan, Ann Arbor, MI, USA

Postdoctoral Fellow

12/01/2016-07/31/2017	Laboratory of Biomedical Informatics, University of Pavia, Italy
26/11/2015-26/11/2016	Laboratory of Mathematical Bioinformatics, University of Kyoto, Japan
01/06/2013-25/11/2016	Laboratory of Biomedical Informatics, University of Pavia, Italy

Publications (Google Scholar profile)

[*] denotes equal contribution. [§] denotes corresponding (senior) authorship.

Journals (peer reviewed)

2021

1. Brain tissue transcriptomic analysis of SIV-infected macaques identifies several altered metabolic pathways linked to neuropathogenesis and poly (ADP-ribose) polymerases (PARPs) as potential therapeutic targets. Mavian C, Ramirez-Mata AS, Dollar JJ, Nolan DJ, Cash M, White K, Rich SN, Magalis BR, **Marini S**, Prosperi MC, Amador DM. B. *Journal of neurovirology.*

2. Reduction of N95 Filtering Facepiece Respirators. Anderegg L, Doyle J, Gardel ML, Gupta A, Hallas C, Lensky Y, Love NG, Lucas BA, Mazenc E, Meisenhelder C, Pillarisetti A, **Members of the N95DECON Consortium.** Heat and Humidity for Bioburden. *Applied Biosafety*

3 Exploring Prediction of Antimicrobial Resistance Based on Protein Solvent Accessibility Variation. **Marini S**, Oliva M, Slizovskiy IB, Noyes NR, Boucher C, Prosperi M. *Frontiers in Genetics 12*

4. Earliest detection to date of SARS-CoV-2 in Florida: Identification together with influenza virus on the main entry door of a university building, Lednicky J, Salemi M, Subramaniam K, Waltzek TB, Sabo-Attwood T, Loeb JC, Hentschel S, Tagliamonte MS, **Marini S**, Alam MM, Stephenson CJ. February 2020. *PloS one. 16(1):e0245352*

2020

5. Small molecule inhibition of non-canonical (TAK1-mediated) BMP signaling results in reduced chondrogenic ossification and heterotopic ossification in a rat model of blast-associated combat-related lower limb trauma. Strong AL, Spreadborough PJ, Pagani CA, Haskins RM, Dey D, Grimm PD, Kaneko K, **Marini S**, Huber AK, Hwang C, Westover K, Mishina Y, Matthew JB, Levi B, Davis TA. *Bone, p.115517*

6. Immobilization after injury alters extracellular matrix and stem cell fate. Huber AK, Patel N, Pagani CA, **Marini S**, Padmanabhan K, Matera DL, Said M, Hwang C, Hsu GC, Poli AA, Strong AL. *The Journal of Clinical Investigation*

7. Sampling bias and incorrect rooting make phylogenetic network tracing of SARS-COV-2 infections unreliable. Mavian C, Kosakovsky Pond SL, **Marini S**, Magalis BR, Vandamme AM, Dellincour S, Scarpino SV, Houldcroft CJ, Villabona-Arenas J, Paisie TK, Trovão NS, Boucher C, Zhang Y, Scheuermann RH, Gascuel O, Lam TTY, Suchard MA, Abecasis A, Wilkinson E, de Oliverira T, Bento A, Schmidt HA, Martin DP, Hadefield J, Faria N, Grubaugh N, Neher R, Beale G, Lemey P, Stadler T, Albert J, Crandall KA, Leitner T, Stamatakis A, Prosperi M, Salemi M. *PNAS, 117(23)*

8. Beneath the surface: Hyper-connectivity between caudate and salience regions in ADHD fMRI at rest. Damiani S, Tarchi L, Scalabrini A, **Marini S**, Provenzani U, Rocchetti M, Oliva F, Politi P. *European Child & Adolescent Psychiatry*

9. Tuning Macrophage Phenotype to Mitigate Skeletal Muscle Fibrosis

Stepien DM, Hwang C, **Marini S**, Pagani CA, Sorkin M, Visser ND, Huber AK, Edwards MJ, Loder SJ, Vasquez K, Aguilar CA, Kumar R, Mascharak S, Longaker MT, Li J, Levi L. *The journal of immunology, 204 (8)*

10. Comparative study of salivary, duodenal and fecal microbiota composition across adult celiac disease. Panelli S, Capelli E, Lupo G, Schiepatti E, Betti E, Sauta E, **Marini S**, Bellazzi R, Vanoli A, Pasi A, Cacciatore R, Bacchi S, Balestra S, Pastoris O, Frulloni L, Corazza GR, Biagi F, Ciccocioppo E. *Journal of Clinical Medicine, 9(4)*

11. A snapshot of SARS-CoV-2 genome availability up to April 2020 and its implications. **Marini S***, Mavian C*, Prosperi M, Salemi M, *JMIR Public Health and Surveillance*, 6(2)

12. Endogenous CCN family member WISP1 inhibits trauma-induced heterotopic ossification. Ching-Yun HG, **Marini S**, Negri S, Wang Y, Xu J, Pagani C, Hwang C, Stepien D, Meyers CA, Miller S, McCarthy E, Lyons EK, Levi B, James AW. *JCI insight, 5(13)*

13. Perivascular fibro-adipogenic progenitor tracing during post-traumatic osteoarthritis Sono T, Hsu CY, Wang Y, Xu J, Cherief M, **Marini S**, Huber AK, Miller S, Péault B, Levi B, and James AW. T*he American Journal of Pathology*

14. Activin A does not drive post-traumatic heterotopic ossification. Hwang C, Das N, **Marini S**, Pagani CA, Huber AK, Xie LQ, Huang L, Wang L, Wen X, Nannuru K, Murphy A, Economides AN, Hatsell SJ, Levi B. *Bone, 115473*

15. Scientific Collaboration During the COVID-19 Pandemic: N95DECON.org. Rempel D, **Members of the N95DECON Consortium**. *Annals of Work Exposures and Health*

16. The role of neutrophil extracellular traps and TLR signaling in skeletal muscle ischemia reperfusion injury. Edwards NJ, Hwang C, **Marini S**, Pagani CA, Spreadborough PJ, Rowe CJ, Yu P, Mei A, Visser N, Li S, Hespe GE. *The FASEB Journal.*

2019

17. MTGO-SC, a tool to explore gene modules in single cell RNA-seq data. Nazzicari N, Vella D, Coronnello C, Di Silvestre D, Bellazzi R, **Marini S*§**. *Frontiers in Genetics, 10(953)*

18. Protease target prediction via matrix factorization. **Marini S*§**, Vitali F*, Rampazzi S, Demartini A, Akutsu T. *Bioinformatics bty746*

19. Disruption of Neutrophil Extracellular Traps (NETs) Links Mechanical Strain to Post-traumatic Inflammation. Agarwal S, Shawn LJ, Cholok D, Li J, Bian J, Yalavarthi S, Li S, Carson WF, Hwang C, **Marini S**, Pagani C, Edwards N, Delano MJ, Standiford TJ, Knight JS, Kunkel SL, Mishina Y, Ward PA, Levi B. *Frontiers in Immunology, 10*

20. Mesenchymal VEGFA induces aberrant differentiation in heterotopic ossification Hwang C, **Marini S**, Huber AK, Stepien D, Sorkin M, Loder, S, Pagani C, Li J, Visser ND, Vasquez K, Garada MA, Li S, Xu J, Yu PB, James AW, Mishina Y, Agarwal S, Li J, Levi B. *Nature Bone Research, 7(1)*

2018

21. A comprehensive roadmap of murine spermatogenesis defined by single-cell RNA-seq. Green CD, Ma Q, Manske GL, Shami AN, Zheng X, **Marini S**, Moritiz L, Sultan C, Gurczynski SJ, Moore BB, Tallquist MD, Li JZ, Hammoud SS. *Developmental Cell, 46(5)*

22. MTGO: PPI network analysis via topological and functional module identification Vella D, **Marini S§**, Vitali F, Di Silvestre D, Mauri G, and Bellazzi R. *Nature Scientific Reports* 8(1)

23. Patient similarity by joint matrix tri-factorization to identify subgroups in precision oncology. **Marini S***, Vitali F*, Pala D, Demartini A, Montoli S, Zambelli A, Bellazzi R. *Jamia Open, 1(1)*

24. Towards more accurate prediction of caspase cleavage sites: a comprehensive review of current methods, tools and features. Bao Y., **Marini S**, Tamura T, Kamada M, Maegawa S, Hosokawa H, Song J Akutsu T. *Briefings in Bioinformatics, bby041*

25. Risk factors for the development of micro-vascular complications of type 2 diabetes in a single-centre cohort of patients. Chiovato L, Teliti M, Cogni G, Sacchi L, Dagliati A**, Marini S**, Tibollo V, De Cata P, Bellazzi R. *Diabetes and Vascular Disease Research, 1479164118780808.*

26. Patient similarity for precision medicine: A systematic review. Parimbelli E, **Marini S**, Sacchi L, Bellazzi R *Journal of Biomedical Informatics, 83*

27. A variant within the FTO confers susceptibility to diabetic nephropathy in Japanese patients with type 2 diabetes. Taira M, Imamura M, Takahashi A, Kamatani Y, Yamauchi T, Araki S, Tanaka N, van Zuydam NR, Ahlqvist E, Toyoda M, Umezono T, Kawai K, Imanishi M, Watada H, Suzuki D, Maegawa H, Babazono T, Kaku K, Kawamori R, **The SUMMIT Consortium**, Groop LC, McCarthy MI, Kadowaki T, Maeda S. *PloS One, 13(12)*

2017

28. Exploring Wound-Healing Genomic Machinery with a Network-Based Approach Vitali F, **Marini S§**, Balli M, Grosemans H, Sampaolesi M, Lussier YA, Cusella De Angelis MG, Bellazzi R. *Pharmaceuticals, 10(2)*

29. Dscam1 Web Server: online prediction of Dscam1 self- and hetero-affinity. **Marini S*§**, Nazzicari N*, Biscarini F, Wang GZ. *Bioinformatics, 33(12)*

30. Machine learning methods to predict Diabetes complications. **Marini S***, Dagliati A*, Sacchi L, Bellazzi R. *Journal of Diabetes Science and Technology, 1932296817706375*

2016

31. A data fusion approach to enhance association study in epilepsy. **Marini S§**, Limongelli I, Rizzo E, Errichiello E, Vetro A, Tan D, Zuffardi O, Bellazzi R. *Plos One, 11(12)*

32. “Noisy beets”: impact of phenotyping errors on genomic predictions for binary traits in Beta vulgaris. Biscarini F, Nazzicari N, Broccanello C; Stevanato P, **Marini S**. *Plant Methods, 12(36)*

33. Trans-ethnic fine mapping highlights kidney-function genes linked to salt sensitivity. Mahajan A, Rodan AR, Le TH, Gaulton KJ, Haessler J, Stilp AM, Kamatani Y, Zhu G, Sofer T, Puri S, Schellinger JN, Chu PL, Cechova S, van Zuydam N, Arnlov J, Flessner MF, Giedraitis V, Heath AC, Kubo M, Larsson A, Lindgren CM, Madden PAF, Montgomery GW, Papanicolaou GJ, Reiner AP, Sundström J, Thornton TA, Lind L, Ingelsson E, Cai J, Martin NG, Kooperberg C, Matsuda K, Whitfield JB, Okada Y, Laurie CC, Morris AP, Franceschini N, **The SUMMIT Consortium**, BioBank Japan Project. *The American Journal of Human Genetics, 99(3)*

2015 34. Dynamic Bayesian Network model for long-term simulation of clinical complications in type 1 diabetes. **Marini S*§**, Trifoglio E*, Barbarini N, Sambo F, Di Camillo B, Malovino A, Manfrini M, Cobelli C, Bellazzi R. *Journal of Biomedical Informatics, 57*

35. PaPI: pseudo amino acid composition to score human coding variants. Limongelli I, **Marini S**, Bellazzi R. *BMC Bioinformatics 16(123)*

36. Developing a parsimonius predictor for binary traits in sugar beet (Beta vulgaris) Biscarini F, **Marini S**, Stevanato P, Broccanello C, Bellazzi R, Nazzicari N. *Molecular Breeding, 35(10)*

2014 37. Improvement of Dscam homophilic binding affinity throughout Drosophila evolution. Wang GZ*, **Marini S***, Ma X, Yang Q, Zhang X, Zhu Y. *BMC Evolutionary Biology, 14(186)*

2013 38. The role of SwrA, DegU and P(D3) in fla/che expression in B. subtilis. Mordini S, Osera C, **Marini S**, Scavone F, Bellazzi R, Galizzi A, Calvio C. *PLoS One, 8(12)*

2011 39. In silico Protein-Protein Interaction prediction with sequence alignment and classifier stacking. **Marini S**, Xu Q, Yang Q. *Curr Protein Pept Sci, 12(7)*

Conference Papers (peer reviewed)

2019 1. A semi-supervised learning approach for pan-cancer somatic genomic variant classification. Nicora G, **Marini S**, Limongelli I, Rizzo E, Montoli S, Tricomi FF, Bellazzi R. *19TH Conference of Artificial Interlligence in Medicine (AIME)*

2016 2. Learning T2D evolving complexity from EMR and administrative data using Continuous Time Bayesian Networks. **Marini S**, Dagliati A, Sacchi L, Bellazzi R. *9th International Joint Conference on Biomedical Engineering System and Technology (HEALTHINF)*

2015 3. A genomic data fusion framework to exploit rare and common variants for association discovery. **Marini S**, Limongelli I, Rizzo E, Da T, Bellazzi R. *15TH Conference of Artificial Interlligence in Medicine (AIME)*

4. Matrix tri-factorization for miRNA-gene association discovery in acute myeloid leukemia. De Martini A, **Marini S**, Vitali F, Bellazzi R. *15th Conference of Artificial Intelligence in Medicine (AIME)*

Conference Abstracts (peer reviewed)

2020

1. Identifying The Myeloid Subpopulation Responsible For Tissue Fibrosis Across Organ Systems Via Machine Learning Parameterization And Predictive Transcriptomics. Stepien DM, **Marini S**, Hwang C, Pagani CA, Sorkin M, Visser ND, Huber AK, Vasquez K, Li J, Hatsell S, Economides A. *Plastic and Reconstructive Surgery–Global Open*

2. Post-Traumatic Limb Immobilization Alters Mesenchymal Stem Cell Fate. Patel N, Huber AK, Pagani C, **Marini S**, Hwang C, Loder S, Visser N, Greenstein JA, Vasquez K, Li J, Mishina Y. *Plastic and Reconstructive Surgery–Global Open*

3. Nerve Growth Factor Derives From Pericytes And Smooth Muscle Cells After Extremity Trauma. Hwang C, **Marini S**, Huber AK, Lee S, Stepien DM, Kubiak CA, Meyers C, Sorkin M, Pagani CA, Rehse T, Visser ND. *Plastic and Reconstructive Surgery–Global Open*

4. Learning antimicrobial resistance through secondary structure of protein variant. **Marini S**, Slizovskiy I, Noyes N, Boucher C, Prosperi M. *International Conference on Intelligent Systems for Molecular Biology (ISMB)*

5. Dynamic identification of viral transmission epicenters. Rife Magalis B, **Marini S**, Salemi M, Prosperi M. *International Conference on Intelligent Systems for Molecular Biology (ISMB)*

6. Optimizing viral genome subsampling by genomic diversity and temporal distribution. **Marini S**, Mavian C, Salemi M, Rife Magalis B. *COVID-19 Dynamics & Evolution*.

7. Differing impacts of global and regional responses on SARS-CoV-2 transmission cluster dynamics. Rife Magalis B, **Marini S**, Salemi M, Prosperi M. *COVID-19 Dynamics & Evolution*.

2019

8. Estimating cancer stemness with single-cell RNA sequencing. **Marini S**, Brooks M, Wicha M, Li J. *2019 Keystone Symposia Conference (L1: Single Cell Biology)*

9. Diverse mesenchymal stem cell populations contribute to VEGFA expression in post-traumatic heterotopic ossification.Pagani C, Hwang C, **Marini S**, Stepien DM, Sorkin M, Loder S, Visser ND, Vasquez K, Garada MA, James AW, Mishina Y, Agarwal S, Li J, Levi B. *American Society for Bone and Mineral Research Annual Meeting (ASMBR)*

2018

10. Gene-gene interaction module identification in single-cell RNA sequencing **Marini S**, Vella D, Nazzicari N, Bellazzi R. *7th International Conference on Complex Networks and Their Applications (Complex Networks)*

11. Gene interaction discovery in myelodysplastic syndromes. **Marini S**, Vitali F, Demartini A, Bellazzi R. *European Conference of Human Genetics (ESHG)*

2016

12. Data Fusion for cleavage target prediction. **Marini S**, Demartini A, Vitali F, Bellazzi R, Akutsu T. *Bioinformatics Italian Society National Congress (BITS)*

13. A continuous time, multivariate model to simulate Type 2 Diabetes patients trajectories. **Marini S**, Dagliati A, Bellazzi R. *American Medical Informatics Association joint Summits on Translational Science (AMIA)*

14. Predicting Microvascular Complications from Type 2 Diabetes Retrospective Data Sacchi L, Colombo C, Dagliati D, **Marini S**, Cerra C, Chiovato L, Bellazzi R. *15th Annual Diabetes Technology Meetings (DTM)*

2014

15. A multivariate data-driven model to investigate the arising of complications in T2D patients. **Marini S**, Malavolti M, Dagliati A, Bellazzi R. *14th Annual Diabetes Technology Meeting (DTM)*

16. PaPI: the Pseudo Amino acid variant Predictor. **Marini S**, Limongelli I, Bellazzi R. *Bioinformatics Italian Society National Congress (BITS)*

17. A novel algorithm to predict the deleteriousness of genomic coding variants Limongelli I, **Marini S**, Bellazzi R. *NGS-ISCB 34(132)*

18. Dynamic Bayesian Networks to simulate type 1 diabetes patients cohorts Barbarini N, Bellazzi R, Cobelli C, Di Camillo B, Manfrini F, Malovini A, **Marini S**, Sambo F. Trifoglio E, Economics, Modelling and Diabetes: Mount Hood Challenge

19. PaPI: using pseudo amino acid composition to predict deleterious coding variants Limongelli I, **Marini S**, Bellazzi R. Italian Bioengineering Group National Congress (GNB 2014)

Book Chapters

2017

1. Precision oncology: a data similarity challenge. Zambelli A, Demartini A, Pala D, Vitali F, **Marini S**, Bellazzi R. In: E-Health e Medicina Digitale, Quaglini S, Cesarelli M, Giacomini M, Pinciroli F eds, *Patron*.

Preprints

1. Regaining perspective on SARS-CoV-2 molecular tracing and its implications. Mavian, **Marini S**, Manes C, Capua I, Prosperi M, Salemi M. *medRxiv*

Awards and Fellowships

02/2018	Elsevier Outstanding contribution in reviewing
11/2015-11/2016	Japanese Society for the Promotion of Science Postdoctoral Fellowship
06/2015	Elsevier Outstanding contribution in reviewing
10/2011	Bioengineering Division Graduate Student Research Award, 1st ranked
03/2010	HKUST Overseas Research Award for PhD Students

Invited Talks and Lectures (extramural)

07/2020 Single-cell transcriptomics: General principles, databases and bioinformatic tools. Transversal Course on Big Data (postgraduate), University of Pavia

07/2020 Multi-sample, multi-condition analysis in scRNAseq data sets. ISMB 2020, BioinfoCore Workshop

06/2019	Enhancing data analysis by leveraging prior biomedical knowledge. Department of Epidemiology, University of Florida, Gainesville, FL, USA
06/2018	Data exploration of single-cell landscapes. Center for Health Technologies, Pavia, Italy
10/2017	Joint data integration for precision oncology. UFHCC Topics in Cancer seminar series, University of Florida, Gainsville, FL, USA
07/2017	miRNA Bioinformatics, sequence analysis and statistical processes. Training school "Omics technologies and bioinformatics application in ME/CFS research", University of Pavia, Pavia, Italy
01/2017	Investigating epileptogenesis with data fusion. University of Michigan, Ann Arbor, USA
09/2016	Mining heterogeneous data sources to enhance association studies. University of Arizona, Tucson, USA
06/2016	Leveraging on public databases for novel peptidase target discovery, University of Pavia, Pavia, Italy
05/2011	Motif search, sequence alignment and Support Vector Regression for Dscam protein self- and hetero-binding affinity prediction. Institute of Biophysics, the Chinese Academy of Science, Beijing, China

Funding

Completed Research Support

12/2018-12/2020	University of Michigan, Mcubed Program (mini-cube). Title: Mapping diabetic foot ulcers at the single-cell level Role: PI
11/2015-11/2016	Kyoto University Japanese Society for the Promotion of Science funding Role: Postdoctoral fellow

Teaching and Supervising Experiences

University of Florida, USA

01/2020-present	Supervising 2 postdocs, 1 PhD student, 1 OPS
01/2021-04/2021	Instructor: Topics in Precision Medicine and Public Health Informatics (postgraduate)
05/2020-08/2020	Instructor of record: Computational Epidemiology (postgraduate)

University of Michigan, USA

08/2017-12/2019	Supervised 1 postdoc, 2 postgraduates and 1 undergraduate students

Kyoto University, Japan

06/2016-09/2016	Supervised 1 undergraduate student

University of Pavia, Italy

12/2018	Lecturer: Introduction to Single cell RNA-seq data analysis (postgraduate)
09/2013-09/2015	Instructor of record: Medical Informatics
09/2013-09/2015	Instructor of record: Automatic Learning in Medicine

01/2013-11/2015 Supervised 3 postgraduate and 2 undergraduate students
12/2016-07/2017 Supervised 4 postgraduate and 3 undergraduate students

The Hong Kong University of Technology, China
01/2010-06/2010 Teaching assistant: Introduction to Bioengineering

Service to Profession

Artificial Intelligence Advisor
12/2016-present enGenome srl, Pavia, Italy

Journal Reviewer
Bioinformatics, Plos One, Journal of Biomedical Informatics, Computers in Biology and Medicine, Briefings in Bioinformatics, IEEE/ACM Transactions on Computational Biology and Bioinformatics, IEEE Journal of Biomedical and Health Informatics, Complex and intelligent Systems, Algorithms, Nature Scientific Reports, Molecules, Frontiers in Medicine

Conference Reviewer
Artificial Intelligence in Medicine (AIME), AMIA joint Summits on TranslationalScience, IEEE International Conference on Healthcare Informatics (ICHC)

Conference Program Committee Member
IEEE International Symposium on Computer-Based Medical Systems (CBMS), IEEE ICTS4eHealth, ACM International Conference on Information and Knowledge Management (ACM-CIKM), ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB)

Memberships
2020-present The N95DECON Consortium
2020-present Models of Infectious Disease Agent Study (MIDAS) research network
2021-present Miami Scientific Italian Community

Non-Academic Work

09/2013-06/2014 High school math teacher, EU program to fight against school dropout. Centro Servizi Formazione, Pavia, Italy
11/2007-06/2008 University tutor. Private one-to-one tutoring of undergraduate and graduate students. CESD, Pavia, Italy

Languages

	(Reading)	(Speaking)
Italian	Native speaker	Native speaker
English	Fluent	Fluent
Spanish	Fluent	Fluent

Volunteering and community outreach

Translator
06/2020 Revised the Italian translation of the N95decon documents. N95decon is a scientific consortium for data-driven study of N95 filtering facepiece respirator decontamination

Introducing machine learning in high school

04/2017, 11/2015, 05/2014, 03/2013 — Introduction to data science and artificial intelligence. G. Galilei high school, Voghera, Italy.

01/2013-03/2013 — Introduction to data science and artificial intelligence. Settore Istruzione e Politiche Giovanili, Pavia. Italy.

Software developer

06/2014 — VSO Poverty Alleviation, remote services. Development of a software to help managing dairy cooperatives. DCPUK, Bangladesh.

Co-founder

06/2007-12/2013 — OMP, non-profit publishing house, the first copyleft (Creative Commons) publishing house in Italy.

Editor in Chief

08/2007-08/2008 — Kronstadt, student-based local news magazine, Pavia, Italy. Monthly issued, city audience (2000 copies).

Front desk volunteer

01/2006-08/2008 — City social services of Pavia, Italy. Helping immigrants to deal with local bureaucracy and CV writing.