



# Michael Soprano

## Curriculum Vitae

### Work Experience

- Nov. 2019– **PhD Student**, *University of Udine*, Udine.  
Today PhD course in Computer Science, Mathematics and Physics, 35<sup>th</sup> cycle.
- Jun. 2018– **Research Fellow**, *University of Udine*, Udine.  
Oct. 2019 Research project co-funded by SISSA Medialab.
- Jun. 2017– **Full Stack Web Developer**, *Datamantix S.r.l.*, Udine.  
Feb. 2019 Design, development and maintenance of various kinds of web applications and chatbots.
- Aug. 2017– **Full Stack Web Developer**, *Archeido S.r.l.*, Udine.  
Feb. 2018 Development of a web application.
- Nov. 2015– **Full Stack Web Developer**, *Troublezine*.  
Feb. 2016 Design, development and maintenance of a web application.

### Education

- Mar. 2015– **Master Degree in Computer Science**, *University of Udine*, 109/110.  
Mar. 2018
- Oct. 2011– **Bachelor Degree in Web Technologies and Multimedia**, *University of Udine*,  
Mar. 2015 101/110.
- Sep. 2006– **High School Diploma (Head Technician Industrial Expert - Computer Science Specialization)**, *I.S.I.S. Raimondo D'Aronco*, Gemona del Friuli, 77/100.  
Jun. 2011

### Thesis (Master Degree)

- Title *Riduzione Del Costo Della Valutazione Mediante Algoritmi Genetici: Implementazione Ed Esperimenti*
- Supervisor Prof. Stefano Mizzaro
- Keywords Information Retrieval, Evaluation, Evolutionary Algorithms

### Thesis (Bachelor Degree)

- Title *Inferenza Dei Mezzi Di Trasporto Degli Utenti Utilizzando Dati Sensoriali Multipli In Modo Non Parametrico*
- Supervisor Prof. Ivan Scagnetto
- Keywords Machine Learning, Classification, Clustering

### Publications

Via Mulin Vecjo 4 – 33010 Chiusaforte (UD) - Italy

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Kevin Roitero, Michael Soprano, Andrea Brunello, and Stefano Mizzaro. Reproduce and Improve: An Evolutionary Approach to Select a Few Good Topics for Information Retrieval Evaluation. *ACM Journal of Data and Information Quality (JDIQ) - Special Issue on Reproducibility in IR: Evaluation Campaigns, Collections and Analyses*, 10(3):12:1–12:21, September 2018. URL: <http://doi.acm.org/10.1145/3239573>.

Kevin Roitero, Michael Soprano, and Stefano Mizzaro. Effectiveness Evaluation with a Subset of Topics: A Practical Approach. In *The 41st International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2018)*, pages 1145–1148, New York, NY, USA, 2018. ACM. URL: <http://doi.acm.org/10.1145/3209978.3210108>.

Michael Soprano and Stefano Mizzaro. Crowdsourcing Peer Review: As We May Do. In Paolo Manghi, Leonardo Candela, and Gianmaria Silvello, editors, *Digital Libraries: Supporting Open Science*, pages 259–273, Cham, 2019. Springer International Publishing. URL: [https://doi.org/10.1007/978-3-030-11226-4\\_21](https://doi.org/10.1007/978-3-030-11226-4_21).

Michael Soprano and Stefano Mizzaro. Crowdsourcing Peer Review in the Digital Humanities? The 8th AIUCD Conference 2019 – Pedagogy, Teaching, and Research in The Age of Digital Humanities, pages 259–273, 2019. URL: [http://aiucd2019.uniud.it/wp-content/uploads/2019/01/BoA-2019\\_PROVV.pdf](http://aiucd2019.uniud.it/wp-content/uploads/2019/01/BoA-2019_PROVV.pdf).

Michael Soprano, Kevin Roitero, and Stefano Mizzaro. Bias and Fairness in Effectiveness Evaluation by Means of Network Analysis and Mixture Models. 10th Italian Information Retrieval Workshop (IIR 2019), Padova, Italy, September 2019. URL: <http://ceur-ws.org/Vol-2441/paper4.pdf>.

Michael Soprano, Kevin Roitero, and Stefano Mizzaro. HITS Hits Readersourcing: Validating Peer Review Alternatives Using Network Analysis. 4th Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2019) at the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval, Paris, France, July 2019. ACM. URL: <http://ceur-ws.org/Vol-2414/paper7.pdf>.

Michael Soprano, Kevin Roitero, and Stefano Mizzaro. BIT: An Effectiveness Metric Based On The Positional Numeral System. 42nd European Conference on Information Retrieval (ECIR 2020), Lisbon, Portugal, April 2020. (Submitted).

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