ROBERTO PAGANO

Senior Data Scientist

@ Email | Amsterdam, Netherlands | robertopagano.github.io | in/paganoroberto | Google Scholar | orcid

WORK EXPERIENCE

Senior Data Scientist Product

Booking.com

2019 – now | Amsterdam, Netherlands

Data Scientist Product

Booking.com

2018 – 2019 | Amsterdam, Netherlands

Junior Data Scientist Product

Booking.com

2017 – 2018 | Amsterdam, Netherlands

Ranking team - Pricing track: Experience in large scale e-commerce domain. Worked on improving the ranking algorithm and adapting it to business needs

- Building Tera-scale Data Pipelines
- Training algorithms on huge amount of data
- Offline evaluation
- Online evaluation and A/B testing
- Training developers on Machine Learning
- Supervising and menthoring other data scientists
- Recruiting

EDUCATION

PhD Computer Sciensce

Politecnico di Milano

2013 – 2016 | Milan, Italy

Focus Areas: Recommender Systems, Machine Learning, Offline Evaluation, Ranking

Thesis: Context Driven recommender systems

Mention

Master Degree in Computer Engineering

Politecnico di Milano and Politecnico di Torino
Alta Scuola Politecnica Double Degree

2010 – 2012 | Milan, Italy

Thesis: Social Recommender Systems

Grade: 110/110 cum laude

Bachelor Degree in Computer Engineering

Universitá degli Studi Di Palermo

2007 – 2010 | Palermo, Italy

Thesis: VANET-based Emergency Vehicle Warning Syste

Grade: 110/110 cum laude

MY ASSETS

Team Player
Ability to work in a multicultural team. Growing others

Quick learner
I seek challenges, new experiences and I love to acquire new knowledge.

Resilient
Able to adapt to different environments, cope with stress and tight deadlines

Stakeholder Management
Ability to juggle between multiple stakeholders, project management

SKILLS

Deep Learning | TensorFlow | Ranking | Offline Evaluation | A/B Testing | Spark | Python | Cloud | Cassandra | Tera Scale Learning and data processing | Java | SQL | Keras | PyTorch | Bias handling | Docker | Hive

LANGUAGES

English
Italian

LECTURING ACTIVITIES

Lecturer

Politecnico di Milano

2013 – 2015 | Milan, Italy

Computing Infrastructures
Advanced User Interfaces
Algorithms and Parallel Computing

Lecturer

Cefriel

2013 | Milan, Italy

Storage and Virtualization

PUBLICATIONS

- Loni, Babak et al. (2019). “Top-N Recommendation with Multi-Channel Positive Feedback using Factorization Machines”. In: *ACM Transactions on Information Systems (TOIS)* 37.2, p. 15.
- Cremonesi, Paolo, Chiara Francalanci, et al. (2018). “Social Network based Short-Term Stock Trading System”. In: *arXiv preprint arXiv:1801.05295*.
- Pagano, Roberto, Massimo Quadrana, Mehdi Elahi, et al. (2017). “Toward Active Learning in Cross-domain Recommender Systems”. In: *arXiv preprint arXiv:1701.02021*.
- Brusamento, Mattia et al. (2016). “Explicit elimination of similarity blockers for session-based recommendation”. In: *10th ACM Conference on Recommender Systems, RecSys 2016*. Vol. 1688. CEUR-WS, pp. 1–8.
- Carpi, Tommaso et al. (2016). “Multi-stack ensemble for job recommendation”. In: *Proceedings of the Recommender Systems Challenge*. ACM, p. 8.
- Loni, Babak et al. (2016). “Bayesian personalized ranking with multi-channel user feedback”. In: *Proceedings of the 10th ACM Conference on Recommender Systems*. ACM, pp. 361–364.
- Pagano, Roberto, Paolo Cremonesi, et al. (2016). “The contextual turn: From context-aware to context-driven recommender systems”. In: *Proceedings of the 10th ACM conference on recommender systems*. ACM, pp. 249–252.
- Cremonesi, Paolo, Franca Garzotto, Matteo Guarnerio, et al. (2015). “Decision making through polarized summarization of user reviews”. In: *2nd International Workshop on Decision Making and Recommender Systems, DMRS 2015*. Vol. 1533. CEUR-WS, pp. 37–40.
- Cremonesi, Paolo, Primo Modica, et al. (2015). “Personalized and context-aware TV program recommendations based on implicit feedback”. In: *International Conference on Electronic Commerce and Web Technologies*. Springer, pp. 57–68.
- Pagano, Roberto, Massimo Quadrana, Paolo Cremonesi, et al. (2015). “Prediction of TV ratings with dynamic models”. In: *ACM Workshop on Recommendation Systems for Television and Online Video, RecSysTV. 2015*.
- Turrin, Roberto, Andrea Condorelli, Paolo Cremonesi, Roberto Pagano, and Massimo Quadrana (2015). “Large scale music recommendation”. In: *Workshop on Large-Scale Recommender Systems (LSRS 2015) at ACM RecSys. 2015*.
- Turrin, Roberto, Massimo Quadrana, et al. (2015). “30Music Listening and Playlists Dataset.” In: *9th ACM Conference on Recommender Systems, RecSys 2015. Vol. 1441. CEUR-WS, 2015*.
- Cremonesi, Paolo, Raffaele Facendola, et al. (2014). “Polarized review summarization as decision making tool”. In: *Proceedings of the 2014 International Working Conference on Advanced Visual Interfaces*. ACM, pp. 355–356.
- Cremonesi, Paolo, Franca Garzotto, Roberto Pagano, et al. (2014). “Recommending without short head”. In: *Proceedings of the 23rd International Conference on World Wide Web*. ACM, pp. 245–246.
- Turrin, Roberto, Andrea Condorelli, Paolo Cremonesi, and Roberto Pagano (2014). “Time-based TV programs prediction”. In: *1st Workshop on Recommender Systems for Television and Online Video at ACM RecSys. Vol. 14. 2014*.