

MARTIN SAVESKI

CONTACT INFORMATION	67 Fulkerson Street, 02141 Cambridge, Massachusetts, USA.	☎ 857-701-3294 ✉ msaveski@mit.edu 🌐 http://www.martinsaveski.com/
RESEARCH INTERESTS	Machine Learning, Natural Language Processing, Social Network Analysis, Causal Inference.	
EDUCATION	Ph.D. in Media Arts and Sciences <i>MIT Media Lab</i> , Laboratory for Social Machines. Advisor: Deb Roy.	09/2014 - Present
	M.Sc. in Data Mining and Knowledge Management, with Honours Year 1: <i>Université Pierre et Marie Curie</i> , Paris, France. Year 2: <i>Universitat Politècnica de Catalunya</i> , Barcelona, Spain. Dissertation: “Cold-start Recommendations – A Non-negative Matrix Factorization Approach”. Advisors: Amin Mantrach, Daniele Quercia, Ricard Gavalda.	10/2011 - 08/2013
	B.Sc. in Computer Science, First Class Honours <i>Staffordshire University</i> , Staffordshire, UK. Dissertation: “Development of a Wordnet Prototype for the Macedonian Language”. Advisors: Igor Trajkovski, Vladimir Radevski.	10/2007 - 06/2010
WORK EXPERIENCE	Machine Learning Scientist, Internship Amazon, Machine Learning Team, Berlin. Scalable Machine Learning Group. <ul style="list-style-type: none">◦ <i>Experimented with algorithms for learning sparse ranking models on large-scale datasets.</i>◦ <i>This led to a high accuracy recommender system that had small memory footprint, fast training time, and low prediction latency.</i>	05/2014 – 08/2014
	Research Assistant, Internship Yahoo! Labs, Barcelona, Spain. Social Media Engagement Research Group. <ul style="list-style-type: none">◦ <i>Developed models for cold-start recommendations of Yahoo! News articles,</i>◦ <i>Analyzed the geography of user engagement: whether specific interests are linked to specific locations.</i>	02/2013 - 09/2013
	Research Assistant, Internship LIP6 – Computer Science Lab of Université Pierre et Marie Curie, Paris, France. Machine Learning and Information Retrieval Research Team (MALIRE). <ul style="list-style-type: none">◦ <i>Developed a method for combining generative and discriminative models for semi-supervised learning.</i>	06/2012 - 08/2012
	Research Assistant Institute Jožef Stefan, Ljubljana, Slovenia. Department of Knowledge Technologies. <ul style="list-style-type: none">◦ <i>Developed a system for sentiment analysis of financial Twitter posts,</i>◦ <i>The system included an Active Learning module used to overcome the lack of labelled tweets.</i>	01/2011 - 10/2011
	Teaching Assistant European University, Skopje, Macedonia. <ul style="list-style-type: none">◦ <i>Taught an undergraduate one-semester course: “Network Operating Systems”,</i>◦ <i>Gave tutorials once per week to 40 students.</i>	09/2010 - 01/2011
	Research and Development Engineer Time.mk Ltd., Skopje, Macedonia. News aggregator, most visited website in Macedonia for 2011 and 2012. <ul style="list-style-type: none">◦ <i>Developed a system for automated news tracking and analytics.</i>	06/2010 - 09/2010

PUBLICATIONS	<ul style="list-style-type: none"> ◦ A. Freno, M. Saveski, R. Jenatton, C. Archambeau (2015). One-Pass Ranking Models for Low-Latency Product Recommendations. In Proceedings of <i>ACM Conference on Knowledge Discovery and Data Mining, KDD'15</i>. ◦ M. Saveski, A. Mantrach (2014). Item Cold-Start Recommendations: Learning Local Collective Embeddings. In Proceedings of <i>ACM Conference on Recommender systems, RecSys'14</i>. ◦ M. Saveski, D. Quercia, A. Mantrach (2014). The Geography of Online News Engagement. In Proceedings of <i>International Conference on Social Informatics, SocInfo'14</i>, ◦ Y. Soullard, M. Saveski, T. Artières (2013). Joint semi-supervised Learning of Hidden Conditional Random Fields and Hidden Markov Models. <i>Pattern Recognition Letters</i>. ◦ M. Saveski, M. Grčar (2011). Web Services for Stream Mining: A Stream-Based Active Learning Use Case. In Proceedings of <i>European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, ECML'11</i>. PlanSoKD2011 Workshop. ◦ M. Saveski, I. Trajkovski (2010). Automatic Construction of Wordnets by Using Machine Translation and Language Modeling. In Proceedings of <i>Language Technologies Conference</i>. ◦ M. Saveski, I. Trajkovski (2010). Development of an English-Macedonian Machine Readable Dictionary by Using Parallel Corpora. In Proceedings of <i>ICT Innovations Conference</i>. ◦ M. Saveski, I. Trajkovski, J. Pehchevski (2009). Classification of Macedonian News Articles. In <i>Conference on Information Technologies for Young Researchers</i>.
COMMUNITY SERVICE	<ul style="list-style-type: none"> ◦ Sub-reviewer for ACM Conference on Recommender systems, RecSys, 2013, ◦ Reviewer for Elsevier Computer Communications special issue on Online Social Networks, 2015. ◦ Reviewer for ACM Transactions on Information Systems, 2016.
SCHOLARSHIPS	<ul style="list-style-type: none"> ◦ E.U. master degree scholarship, selection rate: 20 out of ~3000 applicants, 24000€/year. (2011-2013) ◦ Macedonian government scholarship for talented students with advanced results and activities, selection rate: 20 students/year. (2008-2010)
COMPUTER SKILLS	<p>Programming Languages: Python, R, MATLAB, Java.</p> <p>Markup Languages: L^AT_EX, XML, HTML, CSS.</p> <p>Operating Systems: Unix/Linux and Windows.</p>
LANGUAGES	<p>Macedonian (Native speaker),</p> <p>English (Fluent),</p> <p>Spanish, Italian, Slovene (Basic),</p> <p>Serbian, Croatian, Bulgarian (Working knowledge).</p>
REFERENCES	<p>Deb Roy, PhD, <i>Associate Professor</i>. Laboratory for Social Machines, MIT Media Lab. ✉ dkroy@media.mit.edu · 🌐 http://dkroy.media.mit.edu/</p> <p>Cédric Archambeau, PhD, <i>Senior Research Scientist</i>. Amazon, Machine Learning Team, Berlin. ✉ cedrica@amazon.com · 🌐 http://www0.cs.ucl.ac.uk/staff/c.archambeau/</p> <p>Daniele Quercia, PhD, <i>Senior Researcher</i>. Social Dynamics team, Bell Labs, Cambridge, UK. ✉ daniele.quercia@alcatel-lucent.com · 🌐 http://www.researchswinger.org/</p>