Emanuel Lacić

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Emanuel Lacić is a Software Engineer and Scientific Researcher in the Social Computing division at the Know-Center. Additionally, he is a PhD student at the Knowledge Technologies Institute of Graz University of Technology. He has a M.Sc. and B.Sc. in Software Engineering and Information Systems from the Faculty of Electrical Engineering and Computing at the University of Zagreb. He is currently doing his PhD at Graz University of Technology in the course of the European-funded project Learning Layers on real-time recommender systems in large-scale settings. Apart from that, his research is utilized in several industry and European-funded projects such as AFEL or MoreGrasp. His main research interests are in the fields of Recommender Systems, Deep Learning, Information Retrieval, Big Data, as well as Social and Complex Network Analysis.

Experience

2016
Software Engineer & Scientific Researcher.
Know-Center (Graz, Austria)

- Social Computing Team at Know-Center

- Development and consulting on recommender systems projects

2013–2016
University/Project Assistant.
Graz University of Technology (Graz, Austria)

- EU funded project Learning Layers, supported by the European Commission within the 7th Framework Program

- Addressing issues associated with knowledge extraction and, construction and utilization of social network data with the objective to deliver relevant information to businesses and users

2013
Junior Software Developer.
1&1 Internet AG (Karlsruhe, Germany)

- Ruby development on internal central administration and monitoring solution used by the Data Center Infrastructure Management (DCIM) and IT Operations (ITO) departments
- Project development through Scrum

2012
Java Developer.
FZI Forschungszentrum Informatik (Karlsruhe, Germany)

- Developing for the Mirror project (co-funded by European Commission IST 7th Framework Program)

2011–2012
Software Engineer.
Infobip (Zagreb, Croatia)

- Design, development and maintenance of enterprise applications in the field of mobile cloud services (SMS, HLR, USSD, etc.)

2010
Java developer.
Ericsson (Zagreb, Croatia)

- Design, implementation and testing solutions for the information system of primary healthcare

Education

2013
Graz University of Technology, *Graz*, Austria.
PhD in Computer Science

- Topic: **Real-time Recommender Systems in Heterogeneous Large-scale Settings**

2010
2012

Faculty of Electrical Engineering and Computing, *Zagreb*, Croatia.
<u>M.Sc. in Computing</u>

– Specialization: **Software Engineering and Information Systems**
– Erasmus & Master Thesis: **Software Engineering and Information Systems**

2007
2010

Faculty of Electrical Engineering and Computing, *Zagreb*, Croatia.
<u>B.Sc. in Computing</u>

– Specialization: **Software Engineering and Information Systems**

Certifications

2012

Agile Software Engineering (ASE), *Andrena Objects AG*, Karlsruhe, Germany.
Agile software development process and Scrum

Skills

<u>Programming:</u> Java, Ruby, Python, JavaScript, C#

<u>Databases:</u> Apache Solr, MySQL, PostgreSQL, MS SQL Server

Foreign Languages

Croatian	Native
English	C1
German	C1
Russian	A1

Extracurricular Activity

RSBDA'16 **Organizer / Workshop Chair** at the 1st Workshop on Recommender Systems and Big Data Analytics co-located with i-KNOW 2016, Graz, Austria

i-KNOW'15 **Session Chair** at 15th International Conference on Knowledge Technologies and Data-driven Business

WMF **Executive Board Member** of the Wissensmanagement Forum (September 2014 - Present)

JCP **Reviewer** for Journal of Computers (Academy Publisher), November 2014

EC-TEL'14 **Reviewer** at the 9th European Conference on Technology Enhanced Learning (May 2014)

Awards and fundings

– **Travel Grant** for the 27th ACM Conference on Hypertext and Social Media (HT'2016) in Halifax, Canada.

– **Best Demo Honourable Mention** at the 15th International Conference on Knowledge Technologies and Data-Driven Business (i-Know'2015) in Graz, Austria.

– **Best Poster Award** at the 25th ACM Conference on Hypertext and Social Media (HT'2014) in Santiago, Chile.

– **Erasmus Scholarship** for the final Master year (2012) at Karlsruhe Institute of Technology in Karlsruhe, Germany

Publications

– Traub, M., Lacic, E., Kowald, D., Kahr, M., & Lex, E. **Need Help? Recommending Social Care Institutions.** In Workshop on Recommender Systems and Big Data Analytics (RSBDA'2016) co-located with i-KNOW'2016

– Lacic, E. **Real-Time Recommendations in a Multi-Domain Environment.** In Extended Proceedings of the 27th ACM Conference on Hypertext and Social Media (HT'2016)

– Lacic, E., Kowald, D., & Lex, E. **High Enough?: Explaining and Predicting Traveler Satisfaction Using Airline Reviews.** In Proceedings of the 27th ACM Conference on Hypertext and Social Media (HT'2016), pp. 249-254. ACM.

– Traub, M., Kowald, D., Lacic, E., Schoen, P., Supp, G., & Lex, E. **Smart booking without looking: providing hotel recommendations in the TripRebel portal.** ,p. 50. ACM. (best demo honourable mention) In Proceedings of the 15th International Conference on Knowledge Technologies and Data-driven Business (i-KNOW'2015)

– Dennerlein, S., Kowald, D., Lex, E., Theiler, D., Lacic, E., & Ley, T. **The social semantic server: a flexible framework to support informal learning at the workplace.** In Proceedings of the 15th International Conference on Knowledge Technologies and Data-driven Business (i-KNOW'2015) ,p. 26. ACM.

– Lacic, E., Traub, M., Kowald, D., & Lex, E. **ScaR: Towards a Real-Time Recommender Framework Following the Microservices Architecture.** In Workshop on Large Scale Recommender Systems (LSRS'2015) co-located with the 9th ACM Conference on Recommender Systems (RecSys'2015)

– Lacic, E., Kowald, D., Traub, M., Luzhnica, G., Simon, J., & Lex, E. **Tackling Cold-Start Users in Recommender Systems with Indoor Positioning Systems.** In Proceedings of the 9th ACM Conference on Recommender Systems (RecSys'2015). CEUR-WS

– Trattner, C., Kowald, D., & Lacic, E. **TagRec: towards a toolkit for reproducible evaluation and development of tag-based recommender algorithms.** ACM SIGWEB Newsletter, (Winter 2015), 3.

– Lacic, E., Kowald, D., Eberhard, L., Trattner, C., Parra, D., & Marinho, L. B. **Utilizing online social network and location-based data to recommend products and categories in online marketplaces.** In Mining, Modeling, and Recommending 'Things' in Social Media (pp. 96-115). Springer International Publishing. 2015

– Lacic, E., Kowald, D., Seitlinger, P., Trattner, C., & Parra, D. (2014, September). **Recommending items in social tagging systems using tag and time information.** In Proceedings of the 1st International Workshop on Social Personalisation (SP'2014) co-located with the 25th ACM Conference on Hypertext and Social Media (HT'2014).

– Lacic, E., Kowald, D., & Trattner, C. (2014, September). **Socrecm: A scalable social recommender engine for online marketplaces.** In Proceedings of the 25th ACM conference on Hypertext and social media (pp. 308-310). ACM.

– Kowald, D., Lacic, E., & Trattner, C. (2014, September). **Tagrec: Towards a standardized tag recommender benchmarking framework.** In Proceedings of the 25th ACM conference on Hypertext and social media (pp. 305-307). ACM. (best poster award)

– Lacic, E., Kowald, D., Parra, D., Kahr, M., & Trattner, C. (2014, April). T**owards a scalable social recommender engine for online marketplaces: The case of apache solr.** In Proceedings of the 23rd International Conference on World Wide Web (pp. 817-822). ACM.

– Rivera-Pelayo, V., Lacic, E., Zacharias, V., & Studer, R. (2013, September). **LIM App: Reflecting on Audience Feedback for Improving Presentation Skills.** In European Conference on Technology Enhanced Learning (pp. 514-519). Springer Berlin Heidelberg.