

Maryam TAVAKOL



CONTACT INFO

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WORK EXPERIENCE

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|---------------------|---|
| FEB. 2016-FEB. 2019 | Research assistant in Machine Learning group
Leuphana Universität Lüneburg, Lüneburg, Germany |
| NOV. 2016-JUL. 2017 | Research assistant in Knowledge Engineering group
Technische Universität Darmstadt, Darmstadt, Germany |
| AUG. 2015-JAN. 2016 | Research intern in Recommendation group
Criteo company, Paris, France |
| JAN. 2015-APR. 2015 | Teaching Assistant in Knowledge Mining and Assessment group
Technische Universität Darmstadt, Darmstadt, Germany |
| JUN. 2012-AUG. 2013 | Junior researcher in Sepanta Robotics Research Foundation Company
Tehran, Iran |

EDUCATION

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| CURRENT | PhD in Computer Science, Machine learning
Technische Universität Darmstadt , Darmstadt, Germany
Thesis: "Short- and Long-term Contextual Models for Sequential Recommendation"
Supervisors: Prof. Dr. Ulf Brefeld, Prof. Dr. Johannes Fürnkranz |
| MAR. 2013 | Master of science in Artificial Intelligence and Robotics, <i>with Honors</i>
University of Tehran , Tehran, Iran
Thesis: "A Distributed Learning System with Multiple Reward Sources"
Advisor: Prof. Majid Nili Ahmadabadi
GPA: 18.64/20 (ranked first) |
| SEP. 2010 | Bachelor of science in Computer Engineering, Software, <i>with Honors</i>
University of Tehran , Tehran, Iran
Thesis: "Efficient Routing in a Distributed Real-Time System"
Advisor: Dr. Mehdi Kargahi
GPA: 17.04/20 (top 10%) |
| JUN. 2006 | High School Diploma in Mathematics and Physics, <i>with Honors</i>
Fateme Zahra High School, Meimeh, Iran
GPA: 19.72/20 (ranked first) |

RESEARCH INTEREST

- Machine Learning
- Reinforcement Learning
- Recommender Systems
- Deep Learning
- Application of Machine Learning in real problems

PUBLICATION

- 2018 **M. Tavakol**, T. Joppen, C. Wirth, U. Brefeld, and J. Fürnkranz,
“Personalized Transaction Kernels for Recommendation via MCTS”,
The Web Conference (under review)
- 2018 U. Dick, **M. Tavakol**, and U. Brefeld,
“Rating Continuous Actions in Spatial Multi-Agent Problems”,
Machine Learning Journal (in preparation)
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- 2018 R. Gaonkar, **M. Tavakol**, and U. Brefeld,
“MDP-based Itinerary Recommendation using Geo-Tagged Social Media”
International Symposium on Intelligent Data Analysis
- 2017 **M. Tavakol** and U. Brefeld,
“A Unified Contextual Bandit Framework for Long- and Short-Term Recommendations”,
Joint European Conference on Machine Learning and Knowledge Discovery in Databases
- 2016 **M. Tavakol** and U. Brefeld,
“A Preference-Based Bandit Framework for Personalized Recommendation”,
DA2PL Euro mini conference
- 2016 **M. Tavakol**, H. Zafartavanaelmi, and U. Brefeld,
“Feature Extraction and Aggregation for Predicting the Euro 2016”,
Proceedings of the ECML/PKDD Workshop on Sport Analysis
- 2014 **M. Tavakol** and U. Brefeld,
“Factored MDPs for Detecting the Topic of User Sessions”,
Proceedings of the ACM Conference on Recommender Systems
- 2012 **M. Tavakol**, M. N. Ahmadabadi, M. Mirian, and M. Asadpour,
“A Distributed Q-Learning Approach for Variable Attention to Multiple Critics”,
International Conference on Neural Information Processing

TEACHING EXPERIENCE

LEUPHANA UNIVERSITÄT Lüneburg	Recommender Systems Seminar, Intelligent Data Analysis, Introduction to Python programming, Data Mining Seminar
TECHNISCHE UNIVERSITÄT Darmstadt	Recommender Systems Seminar, Mining Facebook
UNIVERSITY OF TEHRAN:	Advanced Programming, Programming Languages, Pattern Recognition, Intelligent Systems, Advanced Robotics

SCHOLARSHIPS AND CERTIFICATES

JUL. 2018 ICML 2018 student travel award, Stockholm
SEPT. 2016 Google inside look certificate, Zurich
MAY. 2014 Certificate for attending the summer school in Machine Learning
Reykjavik, Iceland
AUG. 2013 PhD scholarship recipient, Electrical and Computer Engineering Department,
University of Waterloo, Canada
APR. 2013 PhD scholarship recipient, Computer Science Department,
Technische Universität Darmstadt, Germany
DEC. 2011 Statement of accomplishment for the advanced track,
Online Machine Learning Course, Stanford University
SEP. 2010 Exceptional talent certificate and admission award for master program
University of Tehran, Iran

SKILLS

Programming: PYTHON, C/C++, JAVA, C#, MATLAB, MySQL
Tools: L^AT_EX, TENSORFLOW, OPENCV

LANGUAGES

PERSIAN: Mother Tongue
ENGLISH: Fluent
GERMAN: Average
FRENCH: Basic Knowledge

REFERENCES

PROF. ULF BREFELD: Leuphana Universität Lüneburg
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PROF. JOHANNES FÜRNKRANZ: Technische Universität Darmstadt
juffi@ke.informatik.tu-darmstadt.de

DR. UWE DICK: Leuphana Universität Lüneburg
uwe.dick@leuphana.de