

Maryam TAVAKOL

CONTACT INFO

ADDRESS: Institute of Information Systems, Leuphana Universität Lüneburg,
Scharnhorststr.1, C4.308a, 21339 Lüneburg, Germany
PHONE: +49.4131.677-2024
EMAIL: tavakol@leuphana.de
WEBSITE: <http://ml3.leuphana.de/maryam.html>

RESEARCH INTEREST

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

WORK EXPERIENCE

FEB. 2016-PRESENT	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

- CURRENT PhD in Computer Science, Machine learning
Technische Universität Darmstadt, Darmstadt, Germany
Thesis: "Recommender Systems and Personalization"
Supervisors: Prof. Dr. Ulf Brefeld, Prof. Dr. Johannes Fürnkranz
- MAR. 2013 Master of science in Artificial Intelligence and Robotics, *with Honors*
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, *with Honors*
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, *with Honors*
Fatemeh Zahra High School, Meimeh, Iran
GPA: 19.72/20 (ranked first)

PUBLICATION

- 2018 **M. Tavakol**, T. Joppen, C. Wirth, U. Brefeld, and J. Fürnkranz,
"Informed Sampling for Product Recommendation using MCTS
on Personalized Transaction Kernels", (In preparation)
- 2018 U. Dick, **M. Tavakol**, and U. Brefeld,
"Rating Continuous Actions in Spatial Multi-Agent Problems: A Data-Driven Approach",
Advances in Neural Information Processing, NIPS (Submitted)
-
- 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

- 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

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

REFERENCES

- PROF. ULF BREFELD: Leuphana Universität Lüneburg
brefeld@leuphana.de
- PROF. JOHANNES FÜRNKRANZ: Technische Universität Darmstadt
juffi@ke.informatik.tu-darmstadt.de
- DR. UWE DICK: Leuphana Universität Lüneburg
uwe.dick@leuphana.de