


Behzad Tabibian

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ACADEMIC AND PROFESSIONAL WORK EXPERIENCE **Max Planck Inst. for Intelligent Systems** **September 2014 - Present**
Ph.D. candidate
Working on Machine Learning under the supervision of Prof. Dr. Bernhard Schölkopf and Dr. Manuel Gomez-Rodriguez.
Interested in machine learning methods to quantify, detect and prevent the spread of misinformation.

Facebook.com
Research Intern, Menlo Park, US **June 2018 - September 2018**
Developing new methods for preventing spread of misinformation on Facebook.com.

Amazon.com
Machine Learning Scientist Intern
• Seattle, US **May 2013 - August 2013**
• Berlin, Germany **May 2014 - August 2014**
Responsible for improving forecasting infrastructure using Machine Learning methods and distributed systems such as Hive & Spark.

University of Edinburgh, Edinburgh, UK **October 2011 - 2012**
• Collaborating with **Robust Autonomy and Decisions Group (RAD)**
Developing Communication infrastructure for a team of humanoid robots playing football.

Iran University of Science and Technology, Tehran, Iran **January 2008 - July 2010**
• Software Engineer at **Electronic Research Centre(ERC)**.

EDUCATION **University of Pittsburgh**, Pittsburgh, US.
Master of Science, School of Information Sciences, Sep. 2012 - Sep. 2014.
Courses: Statistical Machine Learning with L. Wassermann & A. Singh - Carnegie Mellon University (A+).
University of Edinburgh, Edinburgh, UK.
B.S., School of Informatics, Sep. 2010 - June 2012, Second class upper division (2:1).
Courses: Reinforcement Learning (A), Machine Learning (A), Probabilistic Modeling (A).
Mofid 2 High School, Tehran, Iran.
Diploma in Mathematics and Physics, Sep. 2006.

SELECTED PUBLICATIONS **B. Tabibian**, V. Gómez, A. De, B. Schölkopf, M. Gomez Rodriguez. Consequential Ranking Algorithms and Long-term Welfare. <https://arxiv.org/abs/1905.05305>, 2019.
M. Khajehnejad*, **B. Tabibian***, B. Schölkopf, A. Singla, M. Gomez Rodriguez . Optimal Decision Making Under Strategic Behavior. <https://arxiv.org/abs/1905.09239>, 2019.
B. Tabibian, U. Upadhyay, A. De, A. Zarezadeh, B. Schölkopf, M. Gomez Rodriguez. Enhancing human learning via spaced repetition optimization. *Accepted at Proceedings of National Academy of Sciences*, 2019.
N. B. Shah*, **B. Tabibian***, K. Muandet, I. Guyon, U. von Luxburg. Design and Analysis of the NIPS 2016 Review Process. *Accepted at Journal for Machine Learning Research*, 2018.
J. Kim, **B. Tabibian**, A. Oh, B. Schölkopf, M. Gomez Rodriguez. Leveraging the Crowd to Detect and Reduce the Spread of Fake News and Misinformation. *Proceedings of 11th Web Search and Data Mining Conference*, 2018.
B. Tabibian, I. Valera, M. Farajtabar, L. Song, B. Schölkopf, M. Gomez Rodriguez. Distilling Information Reliability and Source Trustworthiness from Digital Traces. *Proceedings of World Wide Web conference*, 2017.

- B. Tabibian**, M. Lewis, C. Lebiere, N. Chakraborty, K. Sycara, S. Bennati, M. Oishi. Towards a Cognitively-based Analytic Model of Human Control of Swarms. *Proceedings of the AAAI Spring Symposium*, 2014.
- K. Shojaei, A.M. Shahri., and **B. Tabibian**. Design and Implementation of an Inverse Dynamics Controller for Uncertain Nonholonomic Robotic Systems. *Journal of Intelligent & Robotic Systems*, 2013.
- S. Ramamoorthy, A. Valtazanos, E. Vafeias, C. Towell, M. Hawasly, I. Havoutis, T. McGuire, **B. Tabibian**, S. Vijayakumar, T. Komura. Team Edinferno, Description Paper for RoboCup 2011 SPL. *Proceedings of 2011 Robocup Competitions*, 2011.
- K. Shojaei, A.M. Shahri., A. Tarakameh, and **B. Tabibian**. Adaptive trajectory tracking control of a differential drive wheeled mobile robot. *Robotica*, 2011.
- K. Shojaei, A.M. Shahri., and **B. Tabibian**. Adaptive-robust feedback linearizing control of a nonholonomic wheeled mobile robot. *Proceedings of the AIM 2010 Conference: Advanced Intelligent Mechatronics*, 2010.

WORKSHOP
PRESENTA-
TIONS

- B. Tabibian**, Vicenç Gómez, Abir De, B. Schölkopf, M. Gomez-Rodriguez. Building Consequential Rankings *2019 Misinfo Workshop @ World Wide Web Conference.*, 2019.
- B. Tabibian**, U. Upadhyay, A. De, A. Zarezade, B. Schölkopf, M. Gomez-Rodriguez. Optimizing Human Learning. *NIPS 2017 Workshop: Teaching Machines, Robots, and Humans*, 2017.
- J. Kim, **B. Tabibian**, A. Oh, B. Schölkopf, M. Gomez-Rodriguez. Leveraging the Crowd to Detect and Reduce the Spread of Fake News and Misinformation. *NIPS 2017 Workshop: Prioritising Online Content*, 2017.
- B. Tabibian**, M. Farajtabar, I. Valera, L. Song, B. Schölkopf, M. Gomez-Rodriguez. On the Reliability of Information and Trustworthiness of Web Sources in Wikipedia. *International Conference on Web and Social Media, Workshop on Wikipedia*, 2016.
- PJ. Dominique, **B. Tabibian**, A. Lamb, Correcting a Miscalibrated Probabilistic Forecast. Accepted in: *2014 Amazon Machine Learning Conference* 2014.

AWARDS,
MEMBERSHIPS
AND
ACTIVITIES

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| Journal of Machine Learning Research production staff. | June 2015 - July 2017 |
| NIPS 2016 workflow manager. | Oct. 2015 - Dec. 2016 |
| Winner of Pittsburgh Awesome Foundation Award. | Jan. 2014 |
| Machine Learning Summer School 2012, La Palma, Spain. Grant from PASCAL2. | Apr. 2012 |
| Developer and maintainer of USARSim project supported by NIST. | July 2009 - 2012 |
| Technical Committee member of RoboCup Competitions. | July 2009 - 2012 |
| Technical Committee member of IranOpen Competitions. | Apr. 2009 - 2012 |
| Honourable Mention in 2009 RoboCup Competitions, Graz, Austria. | July 2009 |
| 2nd Place in 2009 IranOpen Competitions, Qazvin, Iran. | Apr. 2009 |
| Member of IUST Computer Engineering Scientific Association. | Sep. 2008 - Sep. 2009 |
| 3rd Place in 2008 IranOpen Competitions, Qazvin, Iran. | Apr. 2008 |

TEACHING
EXPERIENCE

Univeristy of Tübingen, Tübingen, Germany **March 2015 - July 2015**
Teaching Assistant for Empirical Inference Course; an introductory course on Machine Learning.

PROJECTS

Netformance Exploratory art project on social media to address various social issues, featured on BBC and and award winner of Pittsburgh Awesome Foundation.

HOBBIES

Reading books, swimming, running and traveling.

REFERENCES

Prof. Dr. Bernhard Schölkopf Max Planck For Intelligent Systemts Spemannstr. 34 72076 Tübingen, Germany sekretariat-schoelkopf@tuebingen.mpg.de	Dr. Manuel Gomez-Rodriguez Max Planck For Software Systems Paul-Ehrlich-straße 26 67663 Kaiserslautern, Germany manuelgr@mpi-sws.org
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