

Zhiliang Wu

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Citizenship: China

Research interests	Machine learning, esp. Deep Learning, Gaussian Processes Clinical decision support through predictive and prescriptive analysis Recommender systems with counterfactual analysis	
Education	Ludwig Maximilian University of Munich	Munich, Germany
	Ph.D. in Machine Learning	Nov. 2018 – Present
	Supervisor: Prof. Volker Tresp	
	Technical University of Munich	Munich, Germany
	M.Sc. in Automation and Robotics	Oct. 2015 – Oct. 2019
	Supervisor: PD. Martin Kleinsteuber <i>GPA: 1.1</i>	
	Tongji University	Shanghai, China
	B.Sc. in Automation <i>GPA: 1.4</i>	Sep. 2011 – Jun. 2015
Honors and scholarships	Best Paper Award (IEEE ICHI)	2020
	Scholarship for International Students (Technical University of Munich)	2016
	The Outstanding Graduate (Tongji University)	2015
Publications	Learning Individualized Treatment Rules with Estimated Translated Inverse Propensity Score	
	Zhiliang Wu, Yinchong Yang, Yunpu Ma, Yushan Liu, Rui Zhao, Michael Moor, Volker Tresp.	
	<i>IEEE International Conference on Healthcare Informatics (ICHI), 2020.</i>	
	Introspective Learning by Distilling Knowledge from Online Self-explanation	
	Jindong Gu, Zhiliang Wu, Volker Tresp.	
	<i>Proceedings of the Asian Conference on Computer Vision, 2020.</i>	
	Categorical EHR Imputation with Generative Adversarial Nets	
	Yinchong Yang, Zhiliang Wu, Volker Tresp, Peter Fasching.	
	<i>IEEE International Conference on Healthcare Informatics (ICHI), 2019.</i>	
Research experience	Maschinelles Lernen mit Wissensgraphen (MLwin)	
	Supervisor: Prof. Volker Tresp (LMU Munich)	Nov. 2018 – Present
	Research of ML/DL approaches for clinical decision support systems. Collaboration with clinical experts from Uni-Klinikum Erlangen. Publication of high-quality conference papers.	

Integrating Uncertainty of Implicit Feedback in Recommender Systems

Supervisor: PD. Martin Kleinstauber (TU Munich) Oct. 2017 – Mar. 2018

Research of the state-of-the-art Recommender systems.

PoC of internal recommender systems with the analytics team.

Completion of the master's thesis.

Teaching experience

Student assistant, Institute for Cognitive System Summer 2017

EI7478: Practical Course Humanoid RoboCup

Preparation of the tutorial for NAO Programming.

Projects coordination on LRZ-Gitlab.

Student assistant, Chair of Automatic Control Engineering Summer 2016

EI7303: Advanced Control and Robotics Lab

Kuka-Robot Programming.

Sequential movement definition and position online teaching.

Industry experience

Siemens AG, CT RDA BAM MIC-DE Munich, Germany

Working student Summer 2018

Contribution to the API-Gateway Project, using OpenAPI-Specification and Webservices to host ML algorithms online.

Coding for automatic testing, continuous integration and Docker containers.

Skills

Programming

Proficient in: Python.

Familiar with: Matlab, C++.

Languages

Chinese (native), English (fluent), German (advanced)

Memberships

Siemens Mentoring Program Sep. 2017 – Sep. 2018

Regular meetings with the mentor

Hackathon at Siemens AI lab