



# Bernd Malle

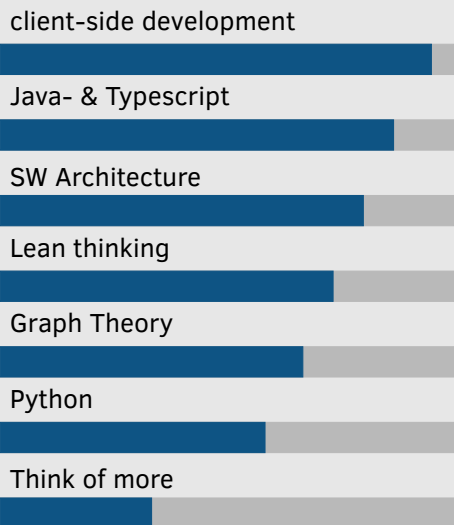
SW Developer

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## About me

Bernd is an enthusiastic Software guy interested in combining client-side (Web) development with algorithmic problem solving. He is currently applying his skills to creating Lemontiger, a next-generation team collaboration tool fueled by a graph-based resource recommender. Although Bernd left his academic work for entrepreneurial challenges, he retained a scientific mind-set and sound, experimental approach.

## Skills



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Interests

## Education

2016-2018	Ph.D. candidate in Computer Science <i>Research in privacy-aware Machine Learning</i> , ongoing	TU Graz
2014-2016	M.Sc. software engineering Thesis in <i>Graphinius - an online graph exploration platform</i>	TU Graz
2005-2014	B.Sc. software engineering & business administration Thesis in <i>graph extraction from image data</i>	TU Graz
2002-2005	Studies of Economics Special interest in political economics; not graduated	KF University, Graz
1999-2002	College of further education Specializing in mathematics and physics.	Graz, Austria
1997-1998	ITCP Information Technology Certified Professional	Wifi Graz

## Publications

2018	(2018) The Need for Speed. Comparison of JS vs. C++ - generated ASM.js / WASM
2017	(2017b) Interactive Anonymization for Privacy aware Machine Learning
2017	(2017) The more the merrier - federated learning from local sphere recommendations
2017	(2017a) Do not disturb? - classifier behavior on perturbed datasets
2016	(2016) The Right to be forgotten. Towards Machine Learning on perturbed knowledge bases

## Conference talks

2017	ECML - European Conference on Machine Learning, Skopje, Macedonia
2017	CD-MAKE - Cross disciplinary ML and Knowledge Extraction, Reggio Calabria, Italy
2017	ARES - Conference on Availability, Reliability and Security, Reggio Calabria, Italy
2017	Security Forum Hagenberg, Linz, Austria
2016	ÖGAI (Austrian society for AI) Meeting , Klagenfurt, Austria
2016	ARES - Conference on Availability, Reliability and Security, Salzburg, Austria

## Experience

2016-2018	Member of the Austrian KIRAS funded project Darknet.	Project
2015-2018	Employee at Secure Business Austria (SBA) Research GmbH, Vienna, Austria.	Project
2014-2018	Member of the HCI-KDD research group at Medical University Graz, Austria.	Research

## Other information

### Review

Alice approaches Wonderland as an anthropologist, but maintains a strong sense of noblesse oblige that comes with her class status. She has confidence in her social position, education, and the Victorian virtue of good manners. Alice has a feeling of entitlement, particularly when comparing herself to Mabel, whom she declares has a “poky little house,” and no toys. Additionally, she flaunts her limited information base with anyone who will listen and becomes increasingly obsessed with the importance of good manners as she deals with the rude creatures of Wonderland. Alice maintains a superior attitude and behaves with solicitous indulgence toward those she believes are less privileged.



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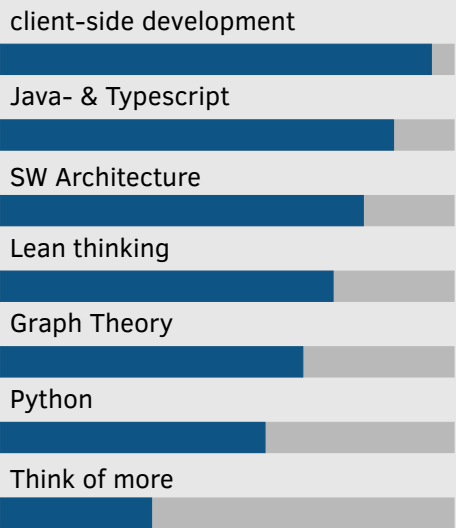
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### \* References

Malle, B., Giuliani, N., Kieseberg, P. & Holzinger, A. (2017), The more the merrier - federated learning from local sphere recommendations, *in* A. Holzinger, P. Kieseberg, A. M. Tjoa & E. Weippl, eds, ‘Machine Learning and Knowledge Extraction’, Springer International Publishing, Cham, pp. 367–373.

Malle, B., Giuliani, N., Kieseberg, P. & Holzinger, A. (2018), ‘The Need for Speed of AI Applications: Performance Comparison of Native vs. Browser-based Algorithm Implementations’, *arXiv e-prints*.

Malle, B., Kieseberg, P. & Holzinger, A. (2017a), Do not disturb? classifier behavior on perturbed datasets, *in* A. Holzinger, P. Kieseberg, A. M. Tjoa & E. Weippl, eds, ‘Machine Learning and Knowledge Extraction’, Springer International Publishing, Cham, pp. 155–173.

Malle, B., Kieseberg, P. & Holzinger, A. (2017b), ‘Interactive anonymization for privacy aware machine learning’, *IAL@ ECML PKDD 2017* p. 15.

Malle, B., Kieseberg, P., Weippl, E. & Holzinger, A. (2016), The right to be forgotten: Towards machine learning on perturbed knowledge bases, *in* F. Bucafurri, A. Holzinger, P. Kieseberg, A. M. Tjoa & E. Weippl, eds, ‘Availability, Reliability, and Security in Information Systems’, Springer International Publishing, Cham, pp. 251–266.