

Hüseyin Furkan Bozkurt

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EXPERIENCE

- **Amazon Development Center Germany GmbH** Berlin
Machine Learning Engineer I *Jan. 2020 - Present*
 - Working for Amazon SageMaker.
- **Albert-Ludwigs-University of Freiburg** Freiburg im Breisgau, Germany
Graduate Student Researcher in Machine Learning Lab *Jan. 2018 - Nov. 2019*
 - Worked on applying Reinforcement Learning algorithms to various SAT/AST solvers written in C/C++ such as MiniSat and Clingo.
 - Interfaced algorithm configuration with Reinforcement Learning.
- **Robert Bosch GmbH** Stuttgart, Germany
Graduate Student Researcher in Rich and Explainable Deep Learning Group *Sept. 2018 - Feb. 2019*
 - Worked on Neural Architecture Search for Semantic Segmentation tasks via novel efficient recursive search strategies and Evolutionary Algorithms based optimizers.

EDUCATION

- **Albert-Ludwigs-University of Freiburg** Freiburg im Breisgau, Germany
M.Sc., Computer Science, GPA: 3.6/4.0 *Sept. 2017 – Nov. 2019*
 - Took courses on intercultural sensitization, intercultural communication and interactive intercultural activities during a camping trip to Black Forest.
 - **Thesis, RL-DCBO: Reinforcement Learning guided Dynamic Control for Bayesian Optimization (Supervised by Prof. Frank Hutter):** Formulated online control of parameters of an algorithm configuration tool (SMACv3) as a Markov decision process and applied reinforcement learning to it in a data driven fashion.
- **Bilkent University** Ankara, Turkey
B.Sc., Electrical and Electronics Engineering, GPA: 3.5/4.0 *Sept. 2012 – June 2017*
 - Took courses on oratory, diction, professional communication and micro body language.
 - **Thesis, Autonomous Household Robot (Supervised by Prof. Orhan Arıkan):** Implemented a household robot with voice recognition and simultaneous localization and mapping communicating with an Android app via Bluetooth.

PUBLICATIONS

- Biedenkapp, A. and **Bozkurt, H. F.** and Eimer, T. and Hutter, F. and Lindauer, M. "Dynamic Algorithm Configuration: Foundation of a New Meta-Algorithmic Framework", Proceedings of the Twenty-fourth European Conference on Artificial Intelligence (ECAI) 2020
- Biedenkapp, A. and **Bozkurt, H. F.** and Hutter, F. and Lindauer, M. "Towards White-box Benchmarks for Algorithm Control", International Joint Conferences on Artificial Intelligence (IJCAI) 2019 - Data Science Meets Optimisation (DSO) Workshop.

SKILLS & INTERESTS

- **Skills:** Reinforcement Learning, Hyperparameter Optimization, Algorithm Control, Neural Architecture Search; TensorFlow, PyTorch, Pandas; Python, Java, MATLAB, C/C++
- **Interests:** Open source software, basketball, traveling, cycling, cooking