



The research group **AutoML for Science** invites applications for

Student Research Assistant (40h/month)



About the project. We aim to make ML easy to use via hyperparameter optimization (HPO) methods and AutoML systems to facilitate leveraging ML for novel tasks, datasets, and challenges, e.g., in science. To develop high-impact methods, we need to understand and have access to relevant, challenging, and representative real-world hyperparameter tuning problems. Existing benchmark tasks are often synthetic, too simple, or not easy to use, limiting their applicability and generalization to real-world problems.

Your responsibilities. You will aid in creating a novel suite of benchmark tasks for HPO by collaborating with other research groups to identify and isolate relevant benchmark tasks. Concretely, you will collect HPO tasks, study their suitability for HPO and make them available under a unified interface.

Required qualifications.

- Being enrolled at the University of Tübingen in AI, ML, DL, computer science or a related discipline
- Good knowledge of (and experience with) ML and DL methods
- Excellent working knowledge of Python, PyTorch and Git
- Interest in learning about HPO and AutoML

What we offer.

- Hands-on experience in cutting-edge research related to AutoML and HPO
- Collaborate with a team of passionate researchers and contribute to a significant project
- Flexible working hours to accommodate your academic schedule

To apply, please send the following documents (as one PDF) to katharina.eggensperger@uni-tuebingen.de:

- Preferred **starting date** (including earliest and latest possible date)
- **CV & Transcript of records**

Deadline for applications: **The application remains open until the positions are filled.**

→ For further questions, please also do reach out to katharina.eggensperger@uni-tuebingen.de