Department of Informatics

Software System Group
University of Zurich
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www.ifi.uzh.ch/seal

PhD and Postdoc Positions in Software Engineering at the University of Zurich

The Software Systems group at the University of Zurich, Switzerland, is inviting applications for several fully funded PhD and two Postdoctoral researcher positions. You will work with **Prof. Dr. Thomas Fritz** or **Prof. Dr. Harald Gall** on high-impact research projects in the domain of empirical software engineering, spanning a broad variety of topics.

Thomas Fritz's research focuses on empowering the productivity and well-being of individuals and teams by analyzing, modelling, and developing novel approaches that foster productive behavior and well-being at work. Topics include self-monitoring of productivity, biometric sensing, increasing focus and flow at work, reducing stress, automating workflows and reducing information overload.
https://www.ifi.uzh.ch/en/seal/people/fritz.html

Harald Gall's research focuses on software evolution, software architecture, software quality analysis, mining software repositories, and cloud-based software engineering. Topics include AI and machine learning for software engineering, search-based software engineering, software engineering processes (DevOps, CI/CD), and large-scale mining of software archives to foster developer productivity.
https://www.ifi.uzh.ch/en/seal/people/gall.html

The Software Systems group at UZH is a consortium of three professors (Gall, Fritz, Bacchelli) and currently has 4 postdocs and 8 PhD students. We have a track record of substantial impact at international prime venues and are well funded, both on the national and European level.

We collaborate closely with more than 20 industrial partners to carry out and evaluate our research projects including Microsoft, Logitech, ABB, Salesforce, and adesso, as well as with university researchers around the globe, including Canada, the USA, and New Zealand. We publish our research in the top international journals and conferences in the fields of Software Engineering and Human Computer Interaction.

Prospective *Postdoctoral researchers* will work with the group's PhD students and be able to build up an independent research profile within the research area outlined above. Additionally, the Post-Docs will contribute to the group's teaching and participate in the coordination of the research group. Acquiring external grant funding is desired.

We offer:
- a team of young and highly motivated colleagues who are passionate about improving developer productivity and how software engineers and companies develop the systems that run our society;
- strong support for your professional/career development;
- a very competitive salary;
- generous support for professional travel and research needs;
- an attractive work environment both within the research group and beyond: the University of Zurich is one of Switzerland's leading universities in the middle of a vibrant, cosmopolitan city that regularly ranks as one of the cities with the highest quality of life in the world.

You have:

- a Master's degree (for a PhD position) or a PhD degree (or close to defending your PhD for a Postdoctoral position) in Computer Science or a related field. Exceptional candidates from psychology and the humanities are also strongly encouraged to apply. Highly qualified students with a bachelor's degree may also apply;
- an interest in understanding and improving software engineering practices and developers' work life;
- strong analytical skills and experience in developing software (prior knowledge in data science, qualitative research, or empirical software engineering is helpful but not required);
- excellent communication skills in English (German speaking skills are welcome but not necessary). English is the working and teaching language in our department. Also, in your day-to-day life in Switzerland and especially in Zurich, you will get by well in English.

If you fit this profile, like challenging tasks, and are passionate about research, then we would love to hear from you. To submit your application for a

- Postdoctoral position, go to https://form.jotformeu.com/93093145563358
- PhD position, go to https://form.jotformeu.com/92904274042353

We consider applications until all positions are filled. The starting date is negotiable. Further information on our group is available online at: www.ifi.uzh.ch/seal. If you have further questions, please contact us at "fritz (at) ifi (dot) uzh (dot) ch" or "gall (at) ifi (dot) uzh (dot) ch".