Research Assistant / HiWi
Scientific Computing Facility and Software Workshop

The Max-Planck-Institute for Intelligent Systems in Tübingen is looking for a student research assistant/HiWi (studentische/wissenschaftliche Hilfskraft) to develop knowhow in the development of highly parallel software. Your tasks will be the programming of several parallelization strategies and their performance analysis with different tools. Two experts in software development and parallel applications will mentor the candidate. A great level of freedom will be given to explore and familiarise with the performance analysis tools.

The Scientific-Computing Facility works with scientists to develop scalable parallel software. The team also builds and maintains the computing infrastructure of the institute. The Software Workshop makes and helps scientists write correct, clean, maintained, tested, documented and optimal code.

What we are looking for

- Applicants must be matriculated students, preferably with a Bachelor’s degree in a field related to computer science, and should possess good programming skills in C/C++. Exceptional candidates who are currently pursuing a Bachelor’s degree will also be considered.
- Skills in mathematics and parallel programming framework are a strong plus for this position, and knowledge of profiling tools is an asset.
- Preference would be given to applicants available for more than 30 hours per month (maximum: 83 hours/month).
- Good communication skills in English.
- The ideal candidate loves programming and tuning bits as we do.

What we offer

In this position, you will be in direct collaboration with two experts in the fields of software development and parallel computing, with access to cutting-edge technologies, state-of-the-art research algorithms, and modern high performance computing facility. The office hours are flexible. The payment is based on Max-Planck Society guidelines. Students holding a Bachelor’s degree will be paid at 10.81 Euro per hour; students without a completed Bachelor’s degree at 9.29 Euro per hour; plus a holiday leave after 6 months. Appointments will initially be for one year (probation period of 3 months) with possibilities of extension.

The MPI for Intelligent Systems is one of the world’s leading research institutions for machine learning, computer vision and robotics, studying the concepts of intelligence and autonomy on every conceptual scale. We offer an interdisciplinary, open research environment among international staff, with connections to institutions within and outside of Germany. The post is ideally suited for students looking to extend their scientific and cultural horizons.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Contact

Please direct your applications quoting reference number 39.15. including (a) 1-page CV and (b) a short motivation letter until 30 September 2015 to personal@vw.mpi-stuttgart.mpg.de.
Inquiries should be sent to sabrina.jung@tuebingen.mpg.de.

Aushang: 05. August 2015
Abhang: 30. September 2015

Stuttgart, 05.08.2015
Sgb. II / KiM/ba
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