Stellenticket

Barkhausen Institut gGmbH - Internet der Dinge

barkhausen institut The Barkhausen Institut performs research on the latest hardware, software and communication technologies and demonstrates their application in tomorrow's society. Our goal is to build a flexible and trustworthy IoT platform based on reliable electronics and secure communication methods.

Research Associate (PhD or Postdoc) "Programming Language/Compiler Technology" (m/f/d)

City: Dresden; Starting Date: At the earliest possible; Duration: The position will initially be filled for a period of 2 years.; Renumeration: The position will be remunerated in accordance with the public remuneration level TV-L E-13.; Reference number: Research Associate Ohua OS

Working field

-Besides contributing your unique ideas, you will advance the Ohua codebase to support us in our vision of building secure and efficient platforms:
-Design and implementation within Ohua compiler codebase
-Adaptation of Ohua for separating code into microkernel-system components
-Development of use cases and IoT demonstrators
-Participation in writing research publications and project deliverables
-Engagement in Science Communication: In cooperation with our OpenLab team, you will participate in activities that aim to explain research results in dialog with society.

Requirements

-Above-average MSc/Diploma and PhD degree in areas related to our research focus (Computer Science) from renowned universities.
-An integrative and cooperative personality with excellent communication and social skills.
-Good communication and writing skills in English.

-Knowledge in the following domains:
-Good programming skills in Haskell (OCaml) or Coq (Agda, Lean, Isabelle/HOL)
-Good knowledge of programming language design (type systems, operational semantics)
-Knowledge of compiler technology
-Knowledge of operating system principles and microkernels

You are interested, but you don't think you meet all the requirements of the job posting? Then you should know: We don't hire resumes, we hire people. We are looking for potential and want to actively foster it. That's why we encourage you to apply!

What We Offer

-Introduction and hands-on experience in certified software development (with Haskell and Coq)
-Cross-disciplinary projects
-Influential work on upcoming technologies
-An open and creative team
-Agile working hours and workflows
-Flat hierarchies for your ideas to soar
-Competitive salary

If you have passion for new technologies and the desire to develop the connected world of tomorrow with us, we are looking for you.

Life and science are compatible at our institute. We offer a range of recognised family-friendly measures, such as part-time work, mobile working and flexible working hours that take family needs into account. We also offer support for arriving in Dresden (all formalities, apartment etc.).

Application
Your application should include: motivation letter explaining your decision to apply at the institute, CV, copy of university degree and PhD certificate, short summary of doctoral thesis, list of publications.

Applications from women are particularly welcome. We only accept complete documents as one single PDF document by e-mail to **careers@barkhauseninstitut.org.** Please reference "Research Associate Ohua OS" in the subject line. Applications that contain other file formats (e.g. Word, Excel) will not be considered in the selection process. Informal inquiries can also be submitted to the same address.

The data submitted by you in the course of the application procedure will be processed by the Barkhausen Institut (BI). BI shall use the data for the purposes of the application procedure. No data shall be passed on to third parties.

Weitere Informationen unter https://stellenticket.de/189542/
Angebot sichtbar bis 13.12.2024