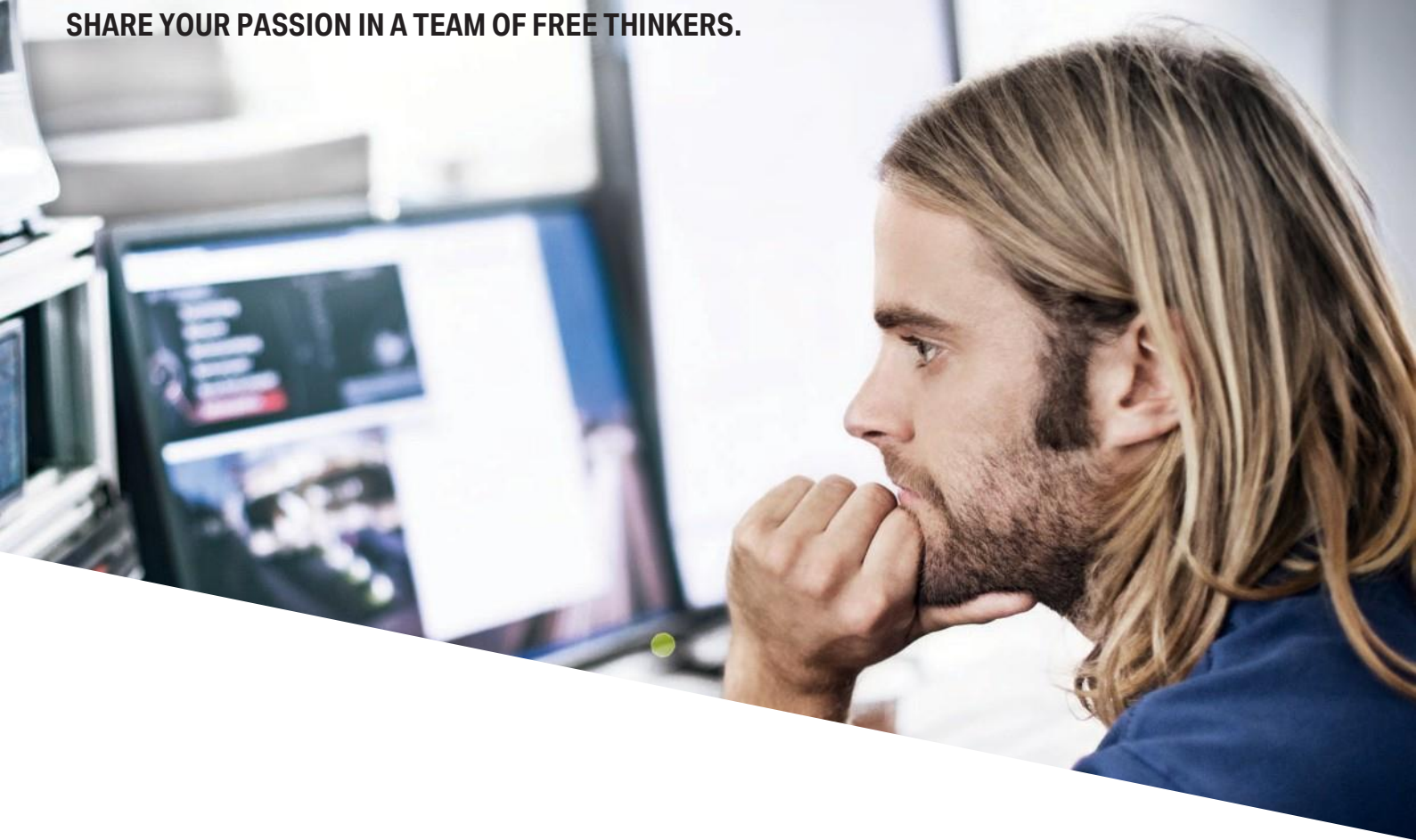


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At BMW Car IT, a wholly owned subsidiary of BMW AG, we live and breathe software. We design and implement embedded software for the electronic control units of the BMW cars as well as related tools and frameworks.

Ph.D. Position: Flexible end-to-end protocol for car-2-backend communication (m/f/x)

At BMW Car IT GmbH lives and breathes software. As a fully owned subsidiary of BMW AG we are a cornerstone in the company's transition into the next 100 years where software plays a crucial role. The increasing amount of data generated and consumed by modern cars (e.g., sensors for advanced driver assistance or high definition maps) requires new solutions for flexible data exchange within and outside the car.

As a Ph.D. student, you actively contribute and shape the software architecture for next generation mobility solutions. One major challenge is the paradigm shift of in-vehicle communication: while communication between ECUs nowadays is based on cyclic bus data or events, a change to a service-oriented architecture becomes more and more important. The position shall start from January 2019 and is funded for 3 years.

Requirements:

- Master's degree in Computer Science, but not yet a doctoral degree
- Preferably, skills and experience in Service-oriented Computing and interest in the automotive domain
- Basic experience in clear writing of scientific reports and articles
- Ability and willingness to work as a team player
- Very good skills in English in speech and writing, German would be an advantage

Location: Ulm

Contact: students@bmw-carit.de

You can find out more about us as an employer, how you apply and other job opportunities at <http://www.bmw-carit.de/opportunities/>

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