Student Assistant (m/f/d): Software Engineer

The Fraunhofer-Gesellschaft (www.fraunhofer.com) currently operates 75 institutes and research institutions throughout Germany and is the world’s leading applied research organization. Around 29,000 employees work with an annual research budget of 2.8 billion euros.

At the Fraunhofer IEM in Paderborn (www.iem.fraunhofer.de), around 200 creative minds work on an interdisciplinary basis on the engineering of the future. With the latest methods, tools and innovative technologies, competitive solutions are created for industry.

What you will do

- Improve machine learning approach for the detection of security relevant methods (sources, sinks, sanitizers, etc.) using Java Machine Learning (ML) and Natural Language Processing (NLP) toolkits
- Support the integration of Static Application Security Testing (SAST) tools into Jazzer (coverage-guided fuzzer for Java), a benchmarking platform and machine learning tools
- Assist with the development of user-friendly tools that use static and dynamic analyses to detect potential software vulnerabilities
- Actively participate in a research project with industrial and academic project partners

What you bring to the table

- You are studying Computer Science or a comparable course of study
- You are highly motivated to learn new technologies and can work independently
- Good Java programming skills
- Experience with Java ML and NLP toolkits such as WEKA, ML-Plan, CoreNLP, DeepLearning4J, etc. is advantageous but not essential
- Good language skills in English and/or German

What you can expect

- Innovative projects with Agile development and hands-on approach
- Interesting, varied and challenging work in a project and team with high practical relevance
- Flexible work locations – both remotely and at the institute in Paderborn
- Flexible working hours and vacation to match your study schedule

Interested? Apply online now: Software Engineer - Fraunhofer IEM
We look forward to getting to know you!

Additional questions will be answered gladly by:
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