



Formal Verification Engineer (m/f/x)

Skills

- Experienced in developing verifiable (or already verified) Software
- Experience in functional coding
- Highly motivated to create high-end security software
- Experience in working with Isabelle is a plus
- Experience with Microkernel architectures / security aspects / operating system development is a plus
- M.Sc. or PhD in Information Technologies

Tasks

- (Support of) Design formal verifiable software components
- Develop formal verifiable software components in either C, Cogent, CakeML
- Integrate the components in the existing environment
- Create theorems based upon defined aspects of the component
- Verify the components with interactive theorem proving methodologies
- Improve verification techniques and tools in cooperation with academic partners