



Security Engineer (Werkstudent position) (m/w/d)

Who are we?

X41 D-SEC GmbH is dedicated to high quality security research, application security services, penetration tests, and red teaming. Together, we help our customers secure their digital environment. As a multinational team with an informal atmosphere, flat hierarchies, and a deep technical focus everyone is empowered to be a key decision-maker. Join us, and help define X41!

What are we searching for?

We are searching for a student with a keen interest in application security to support our research efforts and learn cool things. Currently, we are actively working on project [PeT-HMR](#) that involves research departments from academia and industry with a goal of better detection of vulnerabilities in cloud environments.

What skills do you need to have?

We are searching for a motivated Bachelor or Master student to support our research efforts in building and testing systems that are able to protect organizations from modern web attacks.

From a candidate we expect the following skills:

- Coding and debugging skills in one major programming language (C++, Python or Go)
- Linux command-line knowledge (big plus if you use a Linux distribution or FreeBSD already)
- Optimistic attitude and initiative towards problem solving and learning
- Proficient in English. We are mixed team communicating in English, both verbal and written.

Nice to have skills:

- Interest in application security and understanding of common vulnerability classes
- Or Knowledge of security detection mechanisms (Snort or Yara rules, heuristics, etc)
- Or interest in Data Science and modern Neural Network architectures



What do we offer?

We are a small, multinational, and diverse team that works closely together. This is an engineering position, but we also offer a possibility of growth depending on your skills and affinities.

At X41 you will find:

- Bleeding edge research and engineering problems
- Freedom and support to work on research problems in application security
- Learning opportunities. From internal knowledge sharing meetups to attending or presenting your research at security conferences. You will be able to attend courses and learn new things based on your preferences and career goals.
- Competitive salary based on your knowledge and experience.

We put your academic duties first, so we are flexible while defining your workload with you. We usually work based on objectives, so it doesn't matter when or where you work but that you do it properly and on time. You should be able to work at least 2 days a week during the academic year, but as we previously said this is flexible and as we agree together.

Contact

Send us an e-mail to info@x41-dsec.de with your CV and other relevant stuff (e.g. GitHub account). We will get back to you and, if there is a match, schedule an introduction interview to get to know each other better.

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