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# Open Hiwi Position



TECHNISCHE  
UNIVERSITÄT  
DARMSTADT

## Implementing Symmetric Cryptography

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The *Cryptography and Network Security* (CNS) group is offering a Hiwi position to assist in its research projects. The position is available immediately and the number of hours is flexible.

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### Project Description:

The project will involve implementing novel cryptographic schemes in C and possibly Python to evaluate and compare their performance. The cryptographic schemes to be implemented are symmetric-key and are intended to operate within the **Tor** protocol – the popular tool for maintaining anonymity online. The position offers the opportunity to contribute to the group’s research projects and broaden the student’s knowledge in cryptography, both theoretical and practical.

### Requirements:

- Good programming skills and in-depth knowledge of the C language.
- Background in Cryptography – having successfully completed one or more courses in the subject.
- Fluency in English.
- Knowledge in Python is considered beneficial but not necessary.
- An interest in cryptography and research work.

### Contact:

Interested applicants should get in touch and send a copy of their CV and a transcript of their records to Dr. Jean Paul Degabriele ([jeanpaul.degabriele@crisp-da.de](mailto:jeanpaul.degabriele@crisp-da.de)) with the subject line: “Hiwi position”.

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