Working student:

Tutor for Embedded Systems and Security

Within the course Embedded Systems and Security, students have to participate in a number of programming exercises, for which we seek up to three tutors. The tutors support the students while the programming exercises for which they provide online and offline tutor hours. The offline tutor hours will take place in EIKON, whereas the online tutor hours are held via moodle chat. There are 16.5 hours of tutoring per week, which will be shared upon the tutors according to their available time.

Programming exercises will range from simple LED blinking loops via serial communication to interfacing an encryption algorithm. Thereby addressing security aspects like buffer overflows, canaries, memory protection units, and others.

Duration:

1st October 2017 to 31st January 2018 @ ≈ 5.5h/week (depending on the number of tutors)

Prerequisites:

- Profound knowledge in C, preferably embedded C
- Experience with the Infineon XMC4500 microcontrollers is appreciated
- Like to work with students and patience in advising them
- Not taking part in Embedded Systems and Security in WS17/18

Please apply until 5th September 2017 to:

Technische Universität München
Lehrstuhl für Sicherheit in der Informationstechnik
Dipl.-Ing. Florian Wilde
Arcisstraße 21
80333 München
or via email: florian.wilde@tum.de

Visit us at https://www.sec.ei.tum.de/