INTERNSHIP AT CASRA – GAMIFICATION
ABOUT US

CASRA (Center for Adaptive Security Research and Application) is an interdisciplinary team of scientists, security experts, and software engineers with a common purpose and mission. We specialize in researching human-machine interaction and creating products based on those findings to help improve security in aviation and other areas worldwide.

CASRA has a strong record of accomplishment in national and international research projects in the area of psychology, including several EU projects. We publish our research results at conferences as well as in scientific journals and magazines.

IDEA AND EXPECTED OUTCOME

We at CASRA would like to apply our know-how in the medical area as an additional benefit: “We want to become the first global provider of image interpretation training in the field of medical ultrasound diagnosis. In this way we would help to improve the quality of medical education and training and thus sustainably reduce health costs.”

CASRA is developing a training solution for physicians in the field of ultrasound image recognition. Similar to today’s training for the detection of threat items in flight baggage, gamification would provide additional motivation for the user to train.

We are looking for an appropriate, modern approach to incorporate gamification into our new training platform. The users, in this case the physicians, are to be motivated to improve their training by a kind of reward system. This may be achieved, for example, by means of a level system, awards, or other suitable measures. Such mechanisms are to be evaluated and prototyped in the software during the internship. Based on this work, we will incorporate the function into our resulting product.

WHAT WE EXPECT

- Completed or close to completion of BSc in computer science, electrical engineering, or similar
- Good programming skills in C#
- Knowledge in programming web applications beneficial

WHAT WE OFFER

You will be integrated into a SCRUM team and work closely with supportive professional software engineers, learning in the process how to develop enterprise software.

GENERAL INFO

Min. duration: 3 to 6 months

Salary: CHF 3’000 to 3’500 per month (full time)

Contact details: jobs@casra.ch
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