

Bachelor Thesis

Personalization Interface for Anti-Phishing Education

Topic

Anti-Phishing education is a relatively well-established research area that includes the creation and evaluation of new educational material. Current solutions fail to include the personal information of users, as they do not take into account which websites a user is actually visiting. When it comes to personalization of Anti-phishing education, different approaches can be followed. A manual approach to integrate personalized information about users and their behaviour can be done via a personalization interface presented to the user. In such an interface, a user can enter personal information, e.g. websites he or she visits and more. Based on automated personalization approaches the interface should be adaptable and configurable.

Goal

We offer a bachelor thesis for students of computer science with the main goal of creating a personalization interface to collect personal information, e.g. website usage and more. The interface will be a web-based interface implemented using the MTLG Framework [1]. The goal is to provide an adaptable personalization interface that can be integrated in educational materials. This includes:

1. Research on manual personalization methods and information sources
2. Concept for adaptable personalization interface
3. Implementation as an interactive, web-based module

Prerequisites

- Motivation and interest in IT-Security, Phishing and Web Development
- Good programming skills (preferably in native JavaScript)
- This thesis can be done in German or English

Contact

René Röpke, M.Sc.
roepke@cs.rwth-aachen.de

[1] <https://mtlg-framework.gitlab.io/>, accessed on 2019-09-26