Research Assistant

Sharing and Automation for Privacy Preserving Attack Neutralization

We are searching for a scientific research assistant for software development in the EU-funded project "Sharing and Automation for Privacy Preserving Attack Neutralization" (SAPPAN). Start time and hours are flexible.

Background

The SAPPAN project is related to the cybersecurity domain. Its main focus is improving the handling of security incidents by sharing threat intelligence. The project will also include a visual front end allowing for the interactive exploration of the underlying data and the detection models used to identify security incidents (Visual Analytics). The goal is to develop a dashboard which offers different (uncertainty) visualizations as well as methods for provenance, for response and recovery awareness by understanding and refining machine learning models.

Tasks

Typical tasks of the research assistant will include:

- Development of a dashboard & uncertainty visualizations
- Development of suitable visualization for machine learning
- Help integrate different data sources

Skills

These skills are useful, but not mandatory:

- Good English communication skills (the project language is English)
- Programming skills in a modern, object-oriented language like C# or Java
- Knowledge of ASP.NET Core or similar technologies
- Knowledge of web-based front-end development (Vue.js, d3, Blazor, Angular, React, or similar technologies)
- Knowledge of UWP/WPF desktop development or similar technologies

More information

https://www.vis.uni-stuttgart.de/en/projects/eu-sappan/index.html

Contact

Tanja Blascheck (tanja.blascheck@vis.uni-stuttgart.de)
Christoph Müller (christoph.mueller@visus.uni-stuttgart.de)

Institute for Visualization and Interactive Systems