



Lehrstuhl für Sicherheit in der Informatik
Prof. Dr. Claudia Eckert



Announcement: Student job in cooperation with Fraunhofer AISEC, Garching

Development of VS Code plugin

Motivation and Task Description

We are looking for a student to extend the VS Code SARIF plugin¹ written in TypeScript / JavaScript. SARIF² is a standardized format for results of static code analysis. The current VS Code plugin only implements a SARIF viewer, for our needs an editor and sort / filter options have to be added. Functionality and usability aspects should be developed by the student in coordination with our code auditors with industry experience. Goal is to publish this extension as open source to contribute to the original plugin. The project is planned to be finished within three months and can be extended if necessary.

Requirements

- Programming skills: TypeScript / JavaScript
- Practical experience with creating plugins for IDEs
- Basic knowledge about secure coding in C/C++ (optional)
- Interest in static code analysis (optional)

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¹<https://github.com/microsoft/sarif-vscode-extension>

²https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=sarif