Curriculum Vitae

Max Schlüter, Kadiner Str. 2, 10243 Berlin, Germany

Email: me@maxschlueter.com   **Website:** https://maxschlueter.com

Education

10/2014–2/2017	*M.Sc., Computer Science*, Saarland University, Germany Thesis: *Static Information Flow Control for CommonJS Modules* Reviewers: Prof. Christian Hammer, Prof. Andreas Zeller
10/2009–3/2014	*B.Sc., Computer Science*, Saarland University, Germany Thesis: *Using the GPU to solve Vehicle Routing Problems with Time Windows* Reviewers: Dr. Klaus Fischer, Prof. Philipp Slusallek

Certificates

01/2024–1/2029   *Burp Suite Certified Practitioner*, Portswigger

- Able detect and prove the full business impact of a wide range of common web vulnerabilities
- See certificate

Experience

10/2022–4/2023   *Technical Advisor*, Free Software Foundation Europe

- Worked on the Upcycling Android campaign, organizing workshops and creating new workshop materials
- Developed the frontend for TEDective using Next.js

4/2017–10/2021   *Research Assistant*, University of Potsdam, Germany

- Worked as a research assistant at the chair of Prof. Christian Hammer on security analyses for JavaScript
- Developed a static analysis that can handle JavaScript Promises in an efficient and sound manner
- Served as a teaching assistant for Software Engineering I and II for 4 semesters
- Served as a teaching assistant for Static Program Analysis for 1 semester

2/2021–4/2021   *Visiting Researcher*, KAIST, Daejeon, South Korea

- Research internship at the group of Prof. Sukyoung Ryu funded by the german academic exchange service (DAAD)
- Developed a dynamic analysis that tests TypeScript declaration files for inconsistencies

9/2018–3/2019   *Research Intern*, Oracle Labs, Brisbane, Australia

- Worked as a research intern at Oracle Labs on test-case generation of Node.js web applications.
- Developed a static analysis that generates REST specifications from the source code of an Express-based web application, which in turn can be used by a grammar-based Fuzzer to generate test cases and find security vulnerabilities in the app
- Found seven 0-days in five large Node.js applications with the help of my work

7/2016–9/2016   *Research Assistant*, Saarland University, Germany

- Worked as a research assistant at the chair of Prof. Christian Hammer on the SimoBA project
- Performing static information flow control for an Android hybrid app, written in both Java and JavaScript, to detect possible security vulnerabilities in the app

4/2015–10/2015   *Student Tutor*, Saarland University, Germany

      –   Served as a tutor for Secure Software Engineering for 1 semester

Publications

Papers   François Gauthier, Behnaz Hassanshahi, Benjamin Selwyn-Smith, Trong Nhan Mai, Max Schlüter, and Micah Williams. Backrest: A model-based feedback-driven grey-box fuzzer for web applications. *arXiv preprint arXiv:2108.08455*, 2021.

Gebrehiwet B Welearegai, Max Schlueter, and Christian Hammer. Static security evaluation of an industrial web application. In *Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing*, pages 1952–1961, 2019.

Technical Skills

Languages   JavaScript/TypeScript, Java, Scala

Software   Emacs, Vim, Git, NixOS

Languages

German   native language

English   full professional proficiency

French   full professional proficiency

Spanish   limited professional proficiency

Interests   Climbing, tabletennis, books and board games