

# David Dewes

📍 Saarbrücken
✉ dade00003@stud.uni-saarland.de
☎ +49 0176 47396267
in david-dw
🌐 david-prv

## Personal Information

---

- Last Name: Dewes
- First Name: David Jannis
- Address: 66123 Saarbrücken, Meerwiesertalweg 4b
- Date of Birth: 08/14/2003
- Place of Birth: St. Wendel, Saarland
- Nationality: German

## Education

---

### School

Elementary School "Freisen-Oberkirchen"	2009 - 2013
Secondary School "Arnold-Janssen-Gymnasium" (St. Wendel)	2013 - 2018
Secondary School "Wendalinum" (St. Wendel)	2018 - 2021
<ul style="list-style-type: none"> <li>• Qualification: General university entrance qualification</li> <li>• Grade: very good (1,60)</li> </ul>	

### University

<b>BS</b> Saarland University, Cybersecurity	Oct. 2021 - Sep. 2025
<ul style="list-style-type: none"> <li>• Lectures: Programming, Software Engineering, Cryptography, Security Testing, Automated Debugging, Mobile Security, ...</li> <li>• Grade: good (2,30)</li> </ul>	
<b>BS</b> Tallinn University of Technology, Erasmus Program	Jan. 2024 - June 2024
<ul style="list-style-type: none"> <li>• Lectures: Cybersecurity &amp; Law, Digital Systems Design, Java Technologies</li> <li>• Grade: excellent (5,00) (<a href="#">grading system</a>)</li> </ul>	
<b>MS</b> Saarland University, Cybersecurity	Oct. 2025 - Today

## Experience

---

<b>Schloss Dagstuhl – Leibniz Center for Informatics</b> , Internship	Saarbrücken, Germany June 2018
<ul style="list-style-type: none"> <li>• Independent extension of existing knowledge in php and Javascript</li> <li>• Creation of a php class library to control a publication server (DSpace) via its REST API</li> <li>• Development of a user interface to create special documents in DSpace</li> </ul>	
<b>Schloss Dagstuhl – Leibniz Center for Informatics</b> , Internship	Saarbrücken, Germany June 2019
<ul style="list-style-type: none"> <li>• Independent development of new knowledge in the use of the LaTeX typesetting system</li> <li>• Independent extension of existing knowledge in php and Javascript (ReactJS)</li> <li>• Development of a presentation tool for meetings of the scientific directorate</li> </ul>	
<b>CISPA Helmholtz Center for Information Security</b> , Student Assistant (3 SWS)	Saarbrücken, Germany Aug. 2022 - Jan. 2024
<ul style="list-style-type: none"> <li>• Support in conception, design, set-up/disassembly and technical (further) development of interactive workshops in computer science topics for any audience of any age group</li> </ul>	

- Supervision and mentoring of ongoing workshop offerings

**ETAGE 4 GmbH**, Working Student (8,75 SWS)

St. Wendel, Germany  
Sep. 2019 - Today

- Development of php (Laravel and others) and Javascript (ReactJS and NodeJS) applications for use on the web
- Basic setup, maintenance and securing of our servers and services and those of our clients
- Use of content management systems in conjunction with customer relationship management applications
- Setup of existing applications for the client, such as: Shopify, Zendesk, lubenda, and many more

**CISPA Helmholtz Center for Information Security**, Research Assistant (8 SWS)

Saarbrücken, Germany  
Oct. 2025 - Today

- Continuation of my bachelor thesis project on effective web fuzzing to make the methodology accessible to the scientific community in the form of a publication
- Support in the (further) development of diverse research projects in the field of systems and web security
- Independent execution and evaluation of experiments for the development of new web fuzzing methods

## Publications

---

**THEMIS: Context-Aware Grey-box Fuzzing for WordPress Plugins**

July 2026

Matteo Leonelli, *David Jannis Dewes*, Thorsten Holz

## Projects

---

**PHP Micro-Framework**

Dec. 2022 - Oct. 2024

- Since I was encountering frameworks such as Laravel and Symfony more and more frequently at that time, I decided to deepen my understanding of object-oriented programming, dependency injection, dispatching controllers, and so on. So I began to implement my own version of a micro-framework for simple web applications.
- Tools Used: PHP

**WordPress Fuzzing-Framework**

Dec. 2024 - Today

- We are building a specialized and context-aware fuzzing framework to target CMS-specific plugins. This project is heavily based upon [ATROPOS](#) by Güler et al.
- Tools Used: C, PHP, Python, Nim

**DirectX Game-Engine**

Sep. 2025 - Today

- I want to deepen my knowledge of low-level programming, especially C++. This tutorial project from [PardCode](#) introduces me to the DirectX API and advanced programming patterns.
- Tools Used: C++, DirectX

## Technologies

---

**Languages:** PHP, JavaScript, Python, Java, SQL, Bash, C, C#, VisualBasic, Nim

**Technologies:** .NET, NodeJS, Laravel, MySQL, Docker