Tim Storm

Birnenweg 3 – 33106 Paderborn – Germany

📱 +49 0176 4588 5309 • ✉ tistorm@mail.upb.de • 🌐 timlst.de

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Education

Paderborn University	**Paderborn**
Master's Degree in Computer Science, Current GPA: 4.0	*October 2023 – present*

Paderborn University	**Paderborn**
Bachelor's Degree in Computer Science, GPA: 3.9	*October 2019 – May 2023*

Bachelor's Thesis: Large Scale Scanning of TLS Session Ticket Confusion [1], supervised by Sven Hebrok and Prof. Dr.-Ing. Juraj Somorovsky. The thesis examined the feasibility of virtual host confusion attacks using TLS session tickets by analyzing the top websites in the Tranco ranking.

Reismann Gymnasium	**Paderborn**
Higher education entrance qualification, GPA: 3.9	*August 2011 – June 2019*

Advanced courses: Computer Science, Mathematics

Experience

Research

Paderborn University	**Paderborn**
Student Research Assistant	*October 2023 – present*

Research on Session Ticket Confusion with the System Security Research group

CISPA	**Saarbrücken**
Research Intern, advised by Thorsten Holz	*July 2023 – September 2023*

Research on Fuzzing with the System Security group at CISPA

Carnegie Mellon University	**Pittsburgh, PA, USA**
Research Intern at RISS, advised by Christoph Mertz	*June 2022 – August 2022*

Research on object detection and classification for bus stop trash cans in an edge computing context [2]

Paderborn University	**Paderborn**
Student Research Assistant	*April 2022 – October 2022*

Worked on automated testing for TLS-Attacker, a research tool for analyzing TLS libraries.

Teaching

Paderborn University	**Paderborn**
Teaching Assistant	*October 2023 – April 2024*

Taught exercise lessons and graded homework/exams in "IT Security"

Paderborn University	**Paderborn**
Teaching Assistant	*October 2022 – April 2023*

Taught exercise lessons and graded homework/exams in "IT Security"

Paderborn University	**Paderborn**
Teaching Assistant	*April 2021 – April 2022*

Taught exercise lessons and graded homework/exams in "Programming" and "Data Structures and Algorithms"

Extracurricular activities

Paderborn University   **Paderborn**
Senator of the University   *October 2024 – present*

Paderborn University   **Paderborn**
Member of Student Parliament   *October 2024 – present*

Heinz Nixdorf Institute   **Paderborn**
Board member   *January 2024 – present*

Paderborn University   **Paderborn**
Senate Committee Member on "Safeguarding Good Research Practice"   *October 2023 – present*

Paderborn University   **Paderborn**
Student Member of Faculty Council EIM   *October 2023 – present*

Honors and awards

Digital Talents Programm
Developmental program by the Software Innovation Campus Paderborn *November 2022 – present*

"Deutschlandstipendium" scholarship
awarded for outstanding academic performance   *September 2020 – September 2023*

RISE International scholarship
awarded by DAAD for research internship abroad   *June 2022 – August 2022*

Languages

German: Native language

English: Fluent, includes experience in scientific writing

Publications

[1] Tim Storm. Large Scale Scanning of TLS Session Ticket Confusion. `https://doi.org/10.17619/UNIPB/1-1770`, May 2023.

[2] Tim Storm and Christoph Mertz. Detecting and classifying bus stop trash cans using camera-equipped public transit vehicles. *Robotics Institute Summer Scholars Working Papers Journal*, 2022.