Tim Storm

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Education

Paderborn University   **Paderborn**
Master's Degree in Computer Science, Current GPA: 1.0 (A+)   *Oct 2023 – present*

Paderborn University   **Paderborn**
Bachelor's Degree in Computer Science, GPA: 1.1 (A+)   *Oct 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: 1.1 (A+)   *Aug 2011 – Jun 2019*
Advanced courses: Computer Science, Mathematics

Experience

Research

Paderborn University   **Paderborn**
Student Research Assistant   *Oct 2023 – present*
Research on Session Ticket Confusion with the System Security Research group

CISPA   **Saarbrücken**
Research Intern, advised by Thorsten Holz   *Jul 2023 – Sep 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   *Jun 2022 – Aug 2022*
Research on object detection and classification for bus stop trash cans in an edge computing context

Paderborn University   **Paderborn**
Student Research Assistant   *Apr 2022 – Oct 2022*
Worked on automated testing for TLS-Attacker, a research tool for analyzing TLS libraries.

Teaching

Paderborn University   **Paderborn**
Teaching Assistant   *Oct 2023 – Apr 2024*
Taught exercise lessons and graded homework/exams in "IT Security"

Paderborn University   **Paderborn**
Teaching Assistant   *Oct 2022 – Apr 2023*
Taught exercise lessons and graded homework/exams in "IT Security"

Paderborn University   **Paderborn**
Teaching Assistant   *Apr 2021 – Apr 2022*
Taught exercise lessons and graded homework/exams in "Programming" and "Data Structures and Algorithms"

Extracurricular activities

Paderborn University	**Paderborn**
Member of the Senate	*Oct 2024 – present*
Paderborn University	**Paderborn**
Member of Student Parliament	*Oct 2024 – present*
Heinz Nixdorf Institute	**Paderborn**
Board member	*Jan 2024 – present*
Paderborn University	**Paderborn**
Member of "Committee for Research and Junior Academics"	*Oct 2024 – present*
Paderborn University	**Paderborn**
Member of "Committee for Safeguarding Good Research Practice"	*Oct 2023 – present*
Paderborn University	**Paderborn**
Member of Faculty Council EIM	*Oct 2023 – present*

Honors and awards

Digital Talents Programm	
Developmental program by the Software Innovation Campus Paderborn	*Nov 2022 – present*
"Deutschlandstipendium" scholarship	
awarded for outstanding academic performance	*Sep 2020 – Sep 2023*
RISE International scholarship	
awarded by DAAD for research internship abroad	*Jun 2022 – Aug 2022*

Languages

German: Native language

English: Fluent, includes experience in scientific writing

Publications

[1] **Tim Storm**. "Large Scale Scanning of TLS Session Ticket Confusion". Bachelor's thesis. Paderborn: Paderborn University, May 2023. DOI: 10.17619/UNIPB/1-1770. URL: http://digital.ub.uni-paderborn.de/hs/7185427.