

# Tom Sorger

MSc Cybersecurity Student

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## EDUCATION

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<b>KTH Royal Institute of Technology</b> <i>Cybersecurity - Master of Science (MSc)</i>	Stockholm, Sweden 2023 – 2025
<b>Kempen University of Applied Sciences</b> <i>Computer Science - Bachelor of Science (BSc)</i>	Kempen (Allgäu), Germany 2018 – 2022

## WORK EXPERIENCE

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<b>KTH Royal Institute of Technology</b> <i>Teaching Assistant</i>	Stockholm, Sweden Aug 2024 – Present
<ul style="list-style-type: none"><li>Teaching Assistant for the <u>Ethical Hacking</u> course for <u>Pontus Johnson</u>.</li></ul>	
<b>DACHSER</b> <i>Cybersecurity Consultant</i>	Kempen (Allgäu), Germany and Stockholm, Sweden Jan 2023 – Present
<ul style="list-style-type: none"><li>Operation and further development of the Security Operations Center (SOC)</li><li>Development and maintenance of an ecosystem of tools with a SIEM system</li><li>Handling of detected security incidents including coordination and communication of necessary countermeasures</li></ul>	
<b>Kempen University of Applied Sciences</b> <i>Student-/Research Assistant</i>	Kempen (Allgäu), Germany Jun 2021 – Sep 2023
<ul style="list-style-type: none"><li>Collaboration in the project "Internationalization 2.0" at the Institute for Internationalization</li><li>Software development in C++, R and Administration of the project server</li></ul>	
<b>IMV Solutions</b> <i>Software Developer</i>	Wolfertschwenden, Germany Sep 2020 – Sep 2022
<ul style="list-style-type: none"><li>Test-driven software development in C#/.NET</li><li>Planning the software architecture with the help of Enterprise Architect</li></ul>	

## PROJECTS

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<b>XS-Leaks Lab (XSL)</b> <ul style="list-style-type: none"><li><u>XSL</u> is a project exploring Cross-site Leaks (XS-Leaks).</li></ul>
<b>ACME-BNSS</b> <ul style="list-style-type: none"><li>The project involves analyzing a company's requirements, creating a system design proposal for a secure network, and implementing a Proof-of-Concept (PoC) to demonstrate feasibility and effectiveness.</li></ul>
<b>CoopGame: Important Concepts of Cooperative Game Theory</b>   C++, R <ul style="list-style-type: none"><li><u>CoopGame</u> is a R package for the analysis, solution, and visualization of cooperative games with transferable utility.</li></ul>
<b>Efficient Power Index Computation (EPIC)</b>   C++, R <ul style="list-style-type: none"><li><u>EPIC</u> provides efficient C++ implementations for the computation of various power indices for weighted voting games via dynamic programming. It also provides a <u>R interface</u>.</li></ul>

## TECHNICAL SKILLS

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**Languages:** C#, C/C++, Python, R  
**Areas of Interest:** Cryptography, Digital Forensics, Ethical Hacking and Penetration Testing, Incident Response, Quantum Computing

## VOLUNTEERING

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<b>Cybersecurity Programme Board Member</b>   <i>KTH Royal Institute of Technology</i>	Feb 2024 – Present
<ul style="list-style-type: none"><li>Contribution to the development of the program in cooperation with other members and interested companies.</li></ul>	
<b>Wunscherfüller</b>   <i>Herzenswünsche Allgäu</i>	Apr 2022 – Present
<ul style="list-style-type: none"><li>Fulfillment of the heart desires of all children and adolescents admitted as inpatients to the children's hospital.</li></ul>	

## CERTIFICATIONS

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<b>Qiskit Global Summer School 2024 (Quantum Excellence)</b> – IBM	<u>Certificate</u> issued August 2024.
<b>Cyber-Security and Privacy Summer School</b> – KTH	Certificate issued June 2024.