

# Curriculum Vitæ of Tim Kreuzer

## Personal Information

Name: Tim Kreuzer  
Birthday and place: 25.10.1999, Marktrechwitz, Germany  
Nationality: German  
Address: Terrassvägen 1,  
19144 Sollentuna,  
Sweden  
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## Education since leaving school

- Started August 2023: Doctor of Philosophy degree in “Artificial Intelligence in Digital Twins” at Stockholm University, Sweden
- July 2022: Master of Science degree in “Software Engineering for Information Systems” at the Free University of Bozen-Bolzano, Italy. Grade: 110CL
- March 2020: Bachelor of Science degree in “Mobile Computing” at Hof University of Applied Sciences, Hof, Germany. Grade: 1.4

## Awards

- In 2018 I obtained the Deutschlandstipendium, a grant that supports talented and high-achieving students of all subjects at state and state-recognized universities in Germany.
- In 2016 I obtained the Mint-EC-Certificate with Excellence, which is an award from the German Association of Mathematical and Scientific Excellence Centers at Schools (MINT-EC for short). With the certificate, MINT-EC certifies outstanding achievements of students in mathematical and scientific fields.

## Professional experience

From/to	Organization	Responsibilities
09/2024–Current	Self-Employed	ML Consultant for <a href="#">Glapor</a>
03/2023–08/2023	<a href="#">OIST</a>	Visiting Researcher
10/2022–03/2023	<a href="#">OIST</a>	Research Intern
11/2021–07/2022	<a href="#">Alpitronic</a>	Data Scientist
03/2021–06/2021	<a href="#">CompuNet &amp; Partner</a>	Consultant
04/2020–07/2020	<a href="#">Hamm</a>	Consultant
10/2019–02/2020	<a href="#">intive</a>	Software Developer
04/2018–06/2019	<a href="#">IISys</a>	Working Student

<b>Publications</b>	<ul style="list-style-type: none"> <li>– Tim Kreuzer and Andrea Janes: <b>“Introducing Data Science Techniques into a Company Producing Electrical Appliances”</b>, <i>Proceedings of the International Workshop on Applied Research, Technology Transfer and Knowledge Exchange in Software and Data Science</i>, Vienna, Austria, 22–24 August 2022, Springer, 2022</li> <li>– Tim Kreuzer, Panagiotis Papapetrou, and Jelena Zdravkovic: <b>“Artificial intelligence in digital twins—A systematic literature review.”</b>, <i>Data &amp; Knowledge Engineering</i>, 2024</li> <li>– Tim Kreuzer, Panagiotis Papapetrou, and Jelena Zdravkovic: <b>“AI Explainability Methods in Digital Twins: A Model and a Use Case”</b>, <i>Enterprise Design, Operations, and Computing</i>, Cham, Switzerland, Springer Nature Switzerland, 2025.</li> </ul>
<b>Reviewing</b>	<p>Served as a reviewer for the following conferences and journals:</p> <ul style="list-style-type: none"> <li>– ACM SIGKDD, 2024.</li> <li>– Machine Learning Journal, 2024.</li> <li>– Data Mining and Knowledge Discovery Journal, 2024.</li> <li>– PAKDD, 2025.</li> </ul>
<b>Programming languages</b>	<ul style="list-style-type: none"> <li>– Excellent knowledge in Python, JavaScript, React Native, Swift</li> <li>– Advanced knowledge in Java, R, TeX, HTML, CSS, PHP, C#</li> </ul>
<b>Software tools</b>	<ul style="list-style-type: none"> <li>– Visual Studio Code, Command Line, Git, GitHub Copilot, HPC clusters, JetBrains-based tools, XCode, Android Studio, draw.io, Affinity Designer and Photo, Unity</li> </ul>
<b>Skills</b>	<ul style="list-style-type: none"> <li>– Time series forecasting and analysis</li> <li>– Designing neural network architectures</li> <li>– Supervised &amp; Unsupervised learning with Python</li> <li>– Working with HPC clusters in the machine learning context</li> <li>– Data Analytics and Visualization with Python and R</li> <li>– Scientific literature search and review</li> <li>– 3D meshing with Python</li> <li>– Industry-Academia collaboration</li> <li>– Using Git with GitHub/GitLab in a team-based environment</li> <li>– Using Docker to containerize applications</li> <li>– Working with Unix-based systems</li> <li>– Applying Agile methods for project management</li> </ul>
<b>Language competences</b>	<ul style="list-style-type: none"> <li>– <u>German</u> (mother tongue) I self-assess my skills in German as C2.</li> <li>– <u>English</u> I have completed my graduate studies in English, therefore, I self-assess my skills in English as C2.</li> <li>– <u>Italian</u> I passed the Italian Language Exam C1 of the Language Center of the Free University of Bolzano in 2022.</li> <li>– <u>Swedish</u> I currently live and study in Sweden and have elementary proficiency (A1) in Swedish.</li> </ul>

- Chinese In recent years, I have studied Chinese in academic courses and during my free time, obtaining elementary proficiency (A1).

I authorize the processing of my personal data in the curriculum vitae in accordance with Legislative Decree No. 196 of June 30, 2003 and the GDPR (EU Regulation 2016/679).

Stockholm,  
**10.2.25**

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Tim Kreuzer