Zhenghao Zhang

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Highly motivated master's student in computer science with a stable foundation in math. Have a deep understanding of decentralized identity and access control management in IoT world. Familiar with various directions in computer science, e.g., machine learning, computer vision, human-computer interaction, and augmented reality. Also acquired knowledge of business economics from my application subject. Passionate about exploring new areas and willing to learn further.

🔧 Competences & Languages

Programming	Python, Java, JavaScript, SQL, C#, Shell, C
Office & Writing	LaTex, Markdown, Microsoft Office
Tools	Git, Conda, SSH, Docker, K8S
Frameworks	PyTorch, Spring, Angular, Unity, Flask
🔤 **Languages**	English, German, Mandarin(native), Japanese(introduction)

🎓 Education

	School of CIT, **TU Munich**
Oct. 2023	Master in Informatics
Sep. 2023	Faculty of Mathematics, Computer Science and Natural Sciences, **RWTH Aachen**
Oct. 2019	Bachelor in Informatics
Sep. 2019	Freshman Institute, **Fachhochschule Aachen**
Sep. 2018	Studienkolleg in T-Course (Technology, Engineering, Natural Science)

📄 Publications

- Y. Mou, J. Chen, **Z. Zhang**, J. Roßmann, S. Decker, "*Self-sovereign Identity-based Access Control Management in Forestry 4.0,*" in *10th International Conference on Future Internet of Things and Cloud (FiCloud)*, 2023, pp. 159-166, doi: `10.1109/FiCloud58648.2023.00031`.

</> Experience

- Explored a decentralized-identity based access control management system for heterogeneous IoT devices in Forestry 4.0. The corresponding paper has been published.
- Participated in the well-known hackathon "HackaTUM" with the challenge "Talk to the log files" from Rohde & Schwarz. Created a multi-agent network for analyzing complex log files using Microsoft AutoGen.
- Participated in a software lab organized by Holo Builder, a company providing AR construction process management. This lab aims to develop an Android application for AR image tracking using Unity.
- Studied innovations in Post-Desktop User Interfaces, focusing on interactive projections. A survey of recent papers is written and presented.

💼 Internships

September 2021 July 2021	Summer Intern in PERCENT Technology Inc. - Collect and organize the foreign trade data of each province in the past decade from relevant sources. - Participate in a Clever BI project and finish the user manual website.