

Daria Schumm

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EDUCATION

Doctor of Philosophy <i>University of Zürich</i>	July 2023 – Present <i>Zürich, Switzerland</i>
Master of Information Technology <i>University of New South Wales</i>	Feb 2020 – Dec 2022 <i>Sydney, Australia</i>
Bachelor of Aviation Management <i>Massey University</i>	Feb 2015 – Nov 2017 <i>Auckland, New Zealand</i>

PREVIOUS AND CURRENT EMPLOYMENT

Research Assistant <i>University of Zürich</i>	July 2023 – Present <i>Zürich, Switzerland</i>
<ul style="list-style-type: none">Research focuses on understanding and evaluating decentralized identity systems by examining the relationship between conceptual models and implemented behavior. Studying how responsibilities are distributed within systems, how requirements are specified and assessed, how abstract roles are operationalized, and how systems can be evaluated against their specifications.Working on a research project sponsored by the EU Horizon and in collaboration with companies such as STMicroelectronics, Collins Aerospace, and Trust Square. The project is addressing cybersecurity for IoT-enabled environments through a multi-stakeholder sharing of threats and mitigations. The project's result is Artwork.ID system, which offers capabilities to track artworks.Planning, developing, and editing of academic publications.	Oct 2022 – Dec 2022 <i>Sydney, Australia</i>

TEACHING AND SUPERVISION OF STUDENTS

Teaching Assistant <i>University of Zürich</i>	July 2023 – Present <i>Zürich, Switzerland</i>
<ul style="list-style-type: none">Teaching and providing support to several university courses, including:<ul style="list-style-type: none">* Certificate of Advanced Studies in Blockchain (CAS)* Protocols for Multimedia Communications (PMMK)* Blockchains and Overlay Networks (BCOLN)Supervised eight Master (two ongoing) and eight Bachelor students (one ongoing).	

Teaching Assistant*University of New South Wales*

May 2021 – Oct 2023

Sydney, Australia

- Tutoring and running lab sessions for undergraduate and postgraduate students for:

- * Data Structures & Algorithms (COMP9024)
- * Database Systems (COMP9311/ZZEN9311)
- * Securing Fixed and Wireless Networks (COMP9337)
- * Cryptocurrency and Distributed Ledger Technologies (COMP6451)
- * Software Architecture for Blockchain Applications (COMP6452)
- * Engineering Project Management (GSOE9820)

ACTIVITIES IN KNOWLEDGE TRANSFER AND OPEN SCIENCE**Peer Reviewer**

July 2024 – Present

- ACM Distributed Ledger Technologies Journal
- IEEE International Conference on Blockchain Computing and Applications
- IEEE Transactions on Network and Service Management
- IEEE Journal of Communications and Networks
- IEEE Journal of Social Computing
- Elsevier Journal of Information Security and Application
- Elsevier Journal of Information Processing & Management

TECHNICAL SKILLS**Languages:** Python, SQL, JavaScript, TypeScript, HTML/CSS, Solidity, R**Frameworks:** React, Node.js, Truffle, Hardhat, RESTful API**Developer Tools:** Git, VS Code, Jamovi**Libraries:** pandas, NumPy, Web3