

# Tinaye H Tsinakwadi, M.Sc.

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🌐 <https://tinatsina.github.io/>



Aspiring Data Engineer with a specialization in Azure and Microsoft Fabric, coming from a background in RISC-V architecture and embedded systems. Currently, gaining practical experience in computer networking as a Junior Data Center Technician and Network Engineer for MISC.

## Employment History

- 2025 – . . . .    **Network & Data Center Engineer** MISC - *Zurich, Switzerland*
  - Installation of Routers and Switches
  - Repair and Service Maintance of servers
  - HPE, Aruba, CISCO, Fortigate & Palo Alto configuration
- 2021 – 2024    **Embedded Systems Developer** WCH - *Nanjing, China*
  - Firmware developer for RISC-V MCUS
  - IoT developer for BLE, ZigBee and USB devices
  - ESC Motor Control for DShot using PWM and TIMERS
- 2019 – 2020    **Data Engineer Intern.** CIMK - *Nanjing, China*
  - Data Mining engineer, creating data streams for our Sentimentality index
  - Perfoming ETL on the data obtained and creating igestion pipelines
  - Data analysis and API creation

## Education

- 2024 – now    **M.Sc. Information Systems, Universität Liechtenstein**  
Thesis title: *N/A*
- 2020 – 2023    **M.Sc. Computer Science, Nanjing University of Posts and Telecommunications**  
Thesis title: *RFID Indoor Positioning Systems for Localization.*
- 2016 – 2020    **B.Sc. Electronic Information Engineering, Nanjing University of Posts and Telecommunications**  
Thesis title: *Progressive Image Transmission.*

## Research Publications

### Journal Articles

- 1 P. Tan, T. Tsinakwadi, Z. Xu, and H. Xu, "Sing-ant: Rfid indoor positioning system using single antenna with multiple beams based on landmarc algorithm," *MDPI Applied Sciences*, vol. 12, p. 6751, 2022. DOI: 10.3390/app12136751.

## Skills

- Languages    **English** (Native), Chinese(B2), German(B2)
- Coding    **Java** (Spring), Python, SQL,  $\text{\LaTeX}$ , C/C++, Assembly (RISC-V)
- Databases    **PostgreSQL**, SQL Server, Oracle DB, MongoDB.
- Networking    **CISCO** Router and Switch, Fortinet FortiGate, HPE Server, Azure Data Box

## Skills (continued)


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Misc.     UHF RFID, ESC Motor Controls, Altium Designer, KiCad

## Miscellaneous Experience

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### Awards and Achievements

2002     **Merit Award**, Random Training Course held at Secret Location.