# 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
- CMSIS/HAL/Arduino development for CH32V003, CH32V203

**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
- Model fine tuning, ML deployment devops

## 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

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|---|---|
| Languages | 🔖 English (Native), Chinese(B2), German(B1) |
| Coding | 🔖 Java (Spring), Python, SQL, LaTeX, C/C++, Assembly (RISC-V) |
| Databases | 🔖 PostgreSQL, SQL Server, Oracle DB, MongoDB. |

## Skills (continued)

Networking    ▌  CISCO Router and Switch, Fortinet FortiGate, HPE Server, Azure Data Box

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

## Miscellaneous Experience

### Awards and Achievements

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