

Tinaye H Tsinakwadi, M.Sc.

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🌐 <https://tinatsina.github.io/>



IT Professional with many years of experience in computer networking, data center operations, and field engineering. Currently, gaining practical experience in computer networking as a Junior Data Center Technician and Network Engineer for Lenovo 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

- 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.