

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

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|-----------|---|
| Languages |  English (Native), Chinese(B2), German(B1) |
| Coding |  Java (Spring), Python, SQL, L ^A T _E X, 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.