




Tinaye H Tsinakwadi, M.Sc.

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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(B1)
- Coding  Java (Spring), Python, SQL, \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)

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

Miscellaneous Experience

Awards and Achievements

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