Tinaye H Tsinakwadi, M.Sc.

✉ tinayetsina@outlook.com   in tinayesina

🌐 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, Firewalls and Switches
- Repair and Service Maintance of servers
- HPE, Aruba, CISCO, Fortigate, DELL & 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
Embedded Systems	UHF RFID, ESC Motor Controls, Altium Designer, KiCad, RISC-V

Miscellaneous Experience

Awards and Achievements

2024 **Embedded Systems Essentials with Arm**, ARM Training for ARM Cortex Microprocessors.

DDN Smarthands Procedures, DDN Server Training

DDN Smarthands Basics, DDN Server Training.