ENDALE LEGESSE HABTE

Nationality: Ethiopian **Date of birth:** 15/11/1996 **Gender:** Male

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WORK EXPERIENCE

Internship

Jilin Railway Technology College [28/06/2018 – 30/07/2018]

City: Jilin | **Country:** China

Specialty Practice
Overview of railway communication equipment, The use of fiber optic fusion splicers, Communication lines and integrated wiring, Practical training for maintenance electricians, Identification of electrical and electronic components and use of instruments.

Internship

Jilin Railway Technology College [27/06/2019 – 28/07/2019]

City: Jilin | **Country:** China

Specialty Practice
Electronic system design, on-site and off campus visits to Jilin Signal Depot.

Workshop Trainee

The Aerospace Information Research Institute, Chinese Academy of Science [11/09/2023 – 24/09/2023]

City: Beijing | **Country:** China

International Training Workshop on BeiDou Technologies and Applications
BDS + Aviation
BDS + intelligent agriculture
BDS + remote sensing
BDS + intelligent transportation
And emerging BDS applications.

EDUCATION AND TRAINING

M.Sc. in Information and Communication Engineering

Beijing Jiaotong University [01/09/2021 – 15/06/2024]

City: Beijing | **Country:** China | **Website:** https://www.bjtu.edu.cn/?id=4091 | **Field(s) of study:** Information and Communication Technologies | **Thesis:** Deep-Learning Based Rain Attenuation Prediction Modeling for Microwave and mmWave Band

Main Courses: New wireless communication technologies, Wireless Channel Theory and Modeling Methods, 5G mobile communication array signal processing, OFDM Mobile Communication Technology, Communication Signal Processing, Microwave Theory and Technology, Digital Communication Theory etc.
Research Institute: Modern Communication Research Institute
Research Area: B5G Wireless Communication Technologies
Thesis Description:
Study the climate damage of microwave and millimeter wave band signal transmission in B5G wireless technology using ITU-R research documents. Specifically, research on rainfall attenuation in the microwave and mmWave bands, and how to use current technologies such as AI for prediction.

B.Eng. in Communication Engineering

Beijing Jiaotong University [01/09/2017 – 15/06/2021]

City: Beijing | **Country:** China | **Website:** https://www.bjtu.edu.cn/?id=4091 | **Field(s) of study:** Information and Communication Technologies | **Final grade:** 3.25/4.0 | **Thesis:** FPGA Design of UART Instruction Controller

Main Courses: - Electric Circuit, C/C++ Programming, Linear Algebra, Analog & Digital Electronics Technology, Signal & System, Digital Signal Processing, Information Theory & Security, Fundamental of Microcontroller, principle of communication system, Communication Electronics Circuit, Fundamental of Electromagnetic Field & Propagation, Fundamental of Wireless Communication, LTE System, PTN Technology and Practice, Mobile Communication etc.

Thesis Description:

Developed a method to design a universal asynchronous transceiver (UART) instruction control design. The design specifications are as follows: Port Type: UART, System Clock Frequency: 24MHz, FPGA board Type: Altera Cyclone I, Baud Rate: 9600, instruction set Architecture: a+b, ~a, a^b, a*b

Certificate of Completion in ALX Software Engineering Program

ALX Africa

Address: Online Training , | **Website:** https://www.alxafrica.com/

LANGUAGE SKILLS

Mother tongue(s): Amharic

Other language(s):

English	**Chinese**
LISTENING C1 **READING** C2 **WRITING** C2	**LISTENING** B1 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2	**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Simulation and Programing Skills

Matlab/Simulik / Programing: (C, C++, Python) / Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. / Deep Learning frameworks: Pytorch, Tensorflow, Keras / Frontend Development (HTML,CSS, JavaScript) / Huawei eNSP Simulator / Packet Analysis : Wireshark, and Scapy.

Documentation and Code Managment Software

Git & Githubs / Linux (Terminal Commands, Bash/Shell) / VS Code / Microsoft Office: Word, Power Point, Excel, Access, Visio, Project, Teams