

Objective

I am a highly motivated Hardware Engineering graduate with an aim to bridge the gap between software and hardware by combining my hardware engineering expertise and 4 years of experience developing software. I am eager to gain an opportunity to innovate, learn and make an impact in the world of Digital Transformation and AI

Experience

- **Compulink Systems**
ICT intern
 - Collaborated with a 3-member team on full-stack web development with React and Node.js frameworks
 - Installed, maintained and performed configuration of networking hardware infrastructure
 - Troubleshooting and repairing of electronic equipment.
 - Provided technical support and consultation for software and networks
 - Performed technical compliance for tender applications
 - Gained deeper understanding of Git and version control
- August 2022 - July 2023

Skills

- Programming Languages (C/C++, Python and Javascript)
- Microcontrollers and Embedded Systems (Atmega, Arduino, ESP32)
- Electronic circuits and PCB design(KiCad, EasyEda)
- Fullstack Web Development (React js, Node.js)
- 3D Computer Aided Design (Solidworks, OpenShape)
- Networking infrastructure installation and configuration
- Microsoft suite tools (Word, Excel. Outlook)

Education

- **University of Zimbabwe**
BSc in Hardware Engineering
2.1
- 2024

Projects

- **Virtual fiscalisation gateway API**
◦ Designed and developed a virtual fiscalisation gateway API using Javascript with Node.js
◦ Integrated the API with Palladium accounting software and set up the API on multiple PCs
◦ Built with Node.js (Express), Electron js and mutual tls authentication for security
 - **GSM based GPS tracker**
◦ Designed and tested a GPS IoT tracker for fleet management using ESP32-C3 microcontroller A9G GSM and GPS module
◦ Project included circuit design, PCB design, firmware development and testing and debugging
 - **Biometric attendance system**
◦ Designed and developed a biometric attendance system for Centreaper Investments
◦ Project included circuit design, PCB design, firmware development using ESP32-C3, TFT touch display, AS608 fingerprint sensor module and fullstack web development with Node js and React js

Reference

- **F. Laiton**
Compulink Systems
HR Manager
hr@compulink.co.zw
- **M Nhunhama**
Centreaper Investments
Managing Director
0772220060