

Precious Mafoko

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Profile

Passionate Electrical Engineering Technician and front-end developer with a keen eye for design and a knack for creating engaging user experiences. My skills include HTML, CSS, and JavaScript, I specialize in turning creative concepts into functional, responsive websites and web applications. I thrive in collaborative environments, where I can leverage my skills in frameworks like React.js or Vue.js to bring projects to life.

Experience

ONLINE TUTOR | TEACHME2 | SOUTH AFRICA | APRIL 2022 – PRESENT

- Using online learning platforms to develop lessons, post assignments and communicate with students.
- Helping 10th Grade students with Engineering Graphics and Design, Teaching Languages: English and one of South African Languages (Tswana).

TRAINEE ENGINEER | COCA-COLA BEVERAGARES SOUTH AFRICA | NOV 2020 – DEC 2021

- Solar System Web maintenance
- Control Panel Schematic Design and wiring
- Attended breakdowns and emergencies
- Created maintenance plan
- Performed site electrical maintenance
- Helped other departments with extra sets of hands
- Worked with smart meters (IOT) AS WELL AS Solar Power
- Water treatment Plant Operator

ENGINEERING LAB ASSISTANT | TSHWANE UNIVERSITY OF TECH | FEB 2020 – OCT 2020

- Soldering
- Circuit Simulation
- Electronics Circuit Design and wiring
- Proteus
- LAB Maintenance

Education

CERTIFICATION IN FRONT-END DEVELOPEMNT | SHECODES | OCT 2023 – MARCH 2024

- HTML, CSS, JavaScript, Editors, API, GitHub, Flexbox, Terminal, Hosting, Bootstrap, Grids, SEO, NPM, Responsive, Fonts, React, AI

NATIONAL DIPLOMA ELECTRICAL ENGINEERING (NQF LEVEL 6) | NOV 2021 | TSWANE UNIVERSITY OF TECHNOLOGY, SOUTH AFRICA

- Received Merit Award for Open Innovation Competition (Portable water treatment system) | 2021
- Second Place price for Innovative Mask Competition | 2021 / 2022
- Finalist: Falling Walla Lab Pretoria, South Africa | 2022
- Technology Entrepreneurship Program Certificate | 2022
- Entrepreneurship Program Certificate | 2022

CERTIFICATION

- Introduction to Python | DataCamp
- Introduction to Programming | SheCodes
- Introduction to Web Development | SheCodes
- Web Development | SheCodes
- Advanced Web Development | SheCodes
- Introduction to Artificial Intelligence | SheCodes

Skills & Abilities

- **Responsive Design**
- **Website debugging and troubleshooting**
- **HTML, JavaScript, CSS**
- Team Collaboration
- **GitHub**
- **Effective communication and problem solving skills**
- **UI/UX Design Principles**
- **Microsoft Office (word, Excel, power point, MS Project)**
- Electrical Circuit Analysis and Troubleshooting
- **Browser Developer Tools**
- **API and AI**
- SOLIWORKS, Proteus and AutoCAD
- **VS Code**
- **Website Hosting**
- **Performance Optimization**
- **React.js, Angular and Vue.js**
- Active Learning
- **SCADA Systems Operation**

Reference

Available upon request

