

XM

XARI MOUCHTOURIS

ELECTRICAL & ELECTRONIC ENGINEER

INFORMATION

Birth: 2001-05-04
ID: 0105045201081
Gender: Male
License: Code 8 (2019)
Age: 23
Criminal Record: None
Languages: Afrikaans/English

SKILLS

- Circuit Design and Analysis
- Control Systems
- Signal Processing
- Electronics
- Energy Systems
- Python/C/C++
- MATLAB
- Simulink
- kiCad
- STM32
- ESP32
- Arduino
- OVERLEAF
- Embedded System Design
- IOT
- PCB Design

PROFILE

My name is Xari Mouchtouris, and I am an Electrical and Electronic engineer from Stellenbosch University with a focus on robotics. With a passion for problem-solving and developing effective solutions, I am particularly interested in control systems, computer systems, energy systems and IOT devices. I am committed to continuous learning and expanding my knowledge within the field. I am eager to begin my professional journey as a qualified engineer and contribute to innovative and impactful engineering projects.

EDUCATION

E&E ENGINEER • FEB 2020 – NOV 2024 • STELLENBOSCH UNIVERSITY
Average: 66%

National senior Certificate • 2019 • Hoërskool Langenhoven
Average: 77%

VOLUNTEER EXPERIENCE

Kings Kids Weeks – 2015 – 2018,2022

PROJECTS

Advance IoT Health Monitoring Device (2024) – Design of an IoT device capable of measuring heart rate, Oxygen levels and Temperature with an external display and a remote web server for real-time and historical data display.

Multi-Functional Light Source (2023) – Design of a multi-function light source with three modes: Flashlight mode, Emergency Mode and Mood mode. The design features a PCB board with software written in STM32.

Class AB Amplifier (8W RMS) (2023) – Analogue Audio Amplifier



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