



MUSAWENKOSI DUBE

ELECTRONICS AND NANOTECHNOLOGY ENGINEER

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Experience

X-ray Svetlana X-ray	Saint Petersburg, Russia 06/2021 - 09/2021
<ul style="list-style-type: none">• Design using KOMPAS 3D• Development and production of x-ray tubes for various application• Participated in regular training sessions to stay current with industry trends and advancements in technology.• Documented and developed engineering procedures and processes.	
Easy Code English and computer Programming teacher	Saint Petersburg, Russia 02/2023 - 02/2025
<ul style="list-style-type: none">• Enhanced classroom engagement through the use of interactive teaching methods, such as group projects and hands-on activities.• Utilized data-driven instruction to tailor lessons for improved academic performance.• Developed a flashcard web-application tailored for lessons	
Chicaga English and computer Programming teacher	Saint Petersburg, Russia 02/2024 - 02/2025
EFSOL Russia Control Systems Engineer	Saint Petersburg, Russia 07/2023 - 01/2024
<ul style="list-style-type: none">• Designed user-friendly interfaces for control systems, increasing ease of use and operator efficiency.• Worked on engineering problems of complex scope, balancing competing variables in situational and data analysis.• Developed custom control solutions for clients, resulting in increased customer satisfaction.• Enhanced system reliability through regular maintenance and troubleshooting of control systems hardware and software.	

Education

Saint Petersburg electrotechnical University MS Electronic and Nanotechnology Engineering	Saint Petersburg, Russia 09/2022 - 09/2024
<ul style="list-style-type: none">• Dissertation: "Computer simulation of wireless power transmission systems using lasers and solar cells"• Specialization: Renewable Solar Energy	
Saint Petersburg electrotechnical University BS Electronic and Nanotechnology Engineering	Saint Petersburg, Russia 09/2018 - 09/2022
<ul style="list-style-type: none">• Dissertation: "Software package for modeling x-ray image parameters"• Specialization: Electron devices and application	
Sizane High School High school	Bulawayo, Zimbabwe 02/2011 - 11/2016
<ul style="list-style-type: none">• A level 4 As• O level 8 As 2 B2 1 distinction	

Summary

Highly motivated and detail-oriented Electronics and Nanotechnology Engineer with a Master's degree and hands-on experience in designing, developing, and testing advanced electronic and nanotechnological systems. Skilled in microfabrication techniques, semiconductor device physics, x-ray, plasma, and vacuum electronics. Proficient in leveraging cutting-edge technologies and methodologies to tackle complex engineering challenges. Strong team player with excellent analytical, problem-solving, and communication skills, eager to contribute to innovative projects in the field of electronics and nanotechnology.

Languages

English	Native	Ndebele	Native	Russian	Advanced
Shona	Advanced	Zulu	Native		

Skills

Programming:
Arduino, COMSOL Multiphysics, CSS, Django, C, C++, Git, HTML, Java, JavaScript, Linux, LT Spice, MongoDB, MATLAB, Next.js, PostgreSQL, Python
React, VHDL, Node.js

Electronics:
Circuit design and analysis, Nanofabrication Techniques, Semiconductor technologies, Embedded Systems, Arduino ARM Programming