



Jess Koekemoer

Computer and Electronic Engineering Student,
Final Year



072 361 2459



jesskoekemoer@gmail.com

Languages

English ●●●●●
 Afrikaans ●●●●●
 Portuguese ●●●●●

Social Network



LinkedIn Profile Page Link



GitHub Page Link

Other Files

Visual Art Portfolio

Dragon Tower Defence Game

Personal Statement

I'm a final (4th) year Computer and Electronics Engineering Student with background knowledge of numerous engineering processes and ethics.

I have experience regarding several programming languages, embedded programming, and building basic circuit elements, such as amplifiers, LCD display connections, and filters. I have utilized my programming skills to perform data analysis, handle databases, make timing operations, create small games, and write documents.

I always aim to broaden my horizons and gain experience.

Working Experience

- 03/19 – Now **Lecturer's Assistant** NWU
Responsible for helping students participating in the algorithms and optimization module, assessing their performance, and organizing various paperwork.
- 06/18 – 08/18 **Intern** NWU Solar Car
Participant in multidisciplinary team, made a detailed marketing plan and budget, created logos and clothing designs for the team, and improved personal presentation and leadership skills.
- 06/17 – 08/17 **Intern** NWU Solar Car
Participant in solar car manufacture, including supervising the robotic arm, carbon fibre moulding, sanding, designing the car's control panel layout, and cleaning of the workshop premises.
- 04/13 – 05/13, 04/14 – 05/14 **Volunteer** RSPCA Klerksdorp
Kept rescued animals fed, clean, and socialized; played a key role in several pet adoptions; and performed maintenance on the enclosures.

Education

- 2015 – 2019 **B. Eng Electronic and Computer Engineering** North West University
(Currently in final year of completion)
- 2014 **Naional Senior Certificate** Curro Klerksdorp
Matric certificate for 7 subjects, including **Information Technology** (7), **Mathematics** (6), **Natural Science** (5), and **Engineering Graphics and Design** (6).

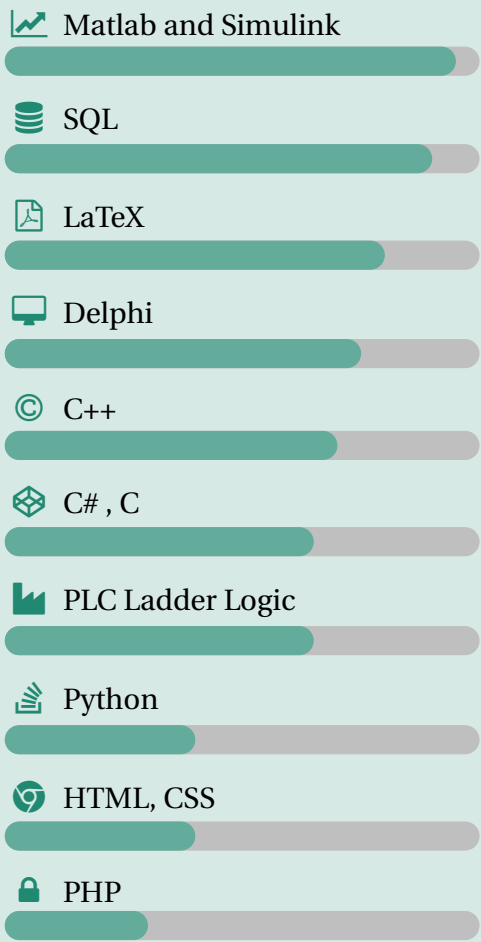
Professional Certificates

- 2017 Siemens S71200 Micro Course (TIA-MICRO1)
- 2017 Cisco CCNA Routing and Switching
- 2016 Siemens S71200 Micro Advanced Course (TIA-MICRO2)
- 2015 Certified SolidWorks Associate (CSWA)

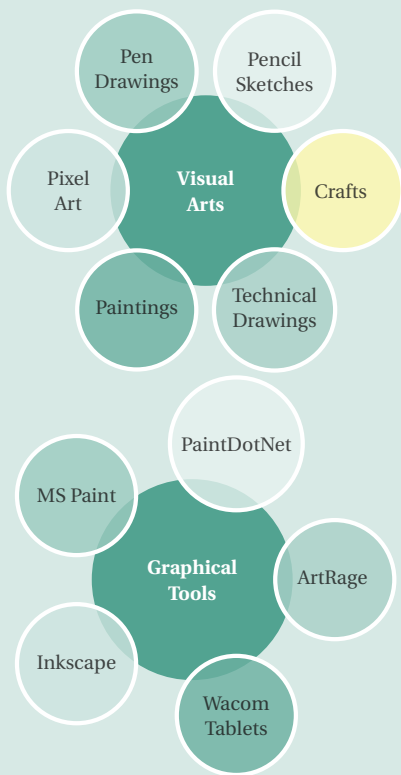
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Programming



Graphical Skills



Technical Skills

Matlab and Simulink	Data analysis, neural networks, GUIs, telecommunication simulations, and more
MS Office	Excel, Word, PowerPoint, Access, Visio, Project
LaTeX	(This document included)
SolidWorks	Mechanical parts, assemblies, and electrical routing
LTSpice	Circuit simulation and custom components
Multisim	Circuit simulations
Cisco Packet Tracer	Network simulations
Fritzing	Circuit schematics and PCB design
Git	Version control and management
PLC Ladder Logic	Programming experience with Siemens devices
Graphical Skills	Technical drawings, pixel art, pen and pencil sketches, and more
Programming Languages	C#, C++, C, Delphi, Python, HTML, CSS, SQL

Awards

2014	Provincial Colours in Videogaming (Starcraft II and Osu)
2011 – 2014	High School Honour's Society Member
2013	Silver for the English Olympiad

Personal Interests

Vintage Cars	Owning and maintaining a vintage car, attending car shows
Visual Arts	Painting, sketching, and pixel art, among others
Reading	Both factual and fictional books, mostly biology and fantasy genres respectively
Videogames	All genres, mostly role-playing, strategy, or adventure games
Bird Watching	Visiting bird sanctuaries, observing avian behaviour, and raising orphaned chicks
Fishing	Salt-water coastal fishing, preferably on rocky shores

References

References are available on request.