



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 Responsible for helping students participating in the algorithms and optimization module, assessing their performance, and organizing various paperwork. | NWU |
| 06/18 – 08/18 | Intern 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. | NWU Solar Car |
| 06/17 – 08/17 | Intern 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. | NWU Solar Car |
| 04/13 – 05/13 , 04/14 – 05/14 | Volunteer Kept rescued animals fed, clean, and socialized; played a key role in several pet adoptions; and performed maintenance on the enclosures. | RSPCA Klerksdorp |

Education

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

Professional Certificates

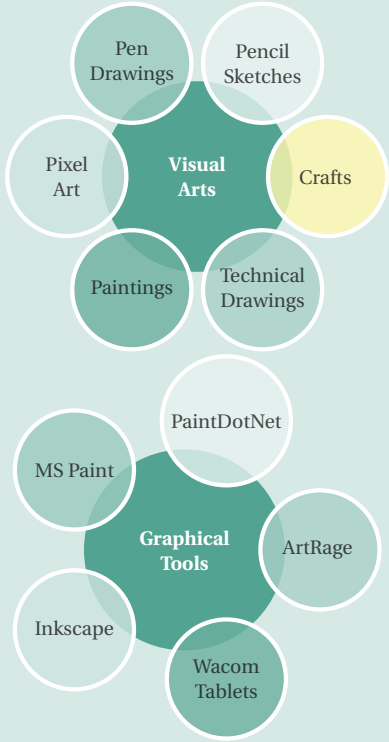
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|------|---|
| 2017 | Siemens S71200 Micro Course (TIA-MICRO1) |
| 2017 | Cisco CCNA Routing and Switching |
| 2016 | Siemens S71200 Micro Advanced Course (TIA-MICRO2) |
| 2015 | Certified SolidWorks Associate (CSWA) |

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Misc. Skills

Graphical Skills



Technical Skills

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|-----------------------|--|
| Matlab and Simulink | Data analysis, neural networks, GUIs, 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 |
| Fritzing | Circuit schematics and PCB design |
| Git | Version control and management |
| PLC Ladder Logic | Programming experience with Siemens devices |
| Programming Languages | C#, C++, C, Delphi, Python, Assembler, 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.