Jacques Swart

Data and Systems Engineer

Knowledge areas

- Business Improvement
- Data Science
- Systems Engineering
- Mining Technology
- Underground & Surface Mining

Education

2010-13 **Bachelor of Engineering (Industrial)**, *Stellenbosch University*, Stellenbosch, South Africa.

2014-15 **Master of Engineering (Industrial)**, *Stellenbosch University*, Stellenbosch, South Africa.

2014-15 **Master's Exchange Programme**, *Ghent University*, Ghent, Belgium.

2016-20 **Bachelor of Accounting Science (Accounting and Finance)**, *University of South Africa*, Pretoria, South Africa.

Experience

Mar. 2015-Jan 2016 **Intern**, *Hunting Dragons Consulting*.

Feb. 2016 - Dec. 2017 **Industrial Engineer**, *Eskom*.

Jan. 2018 - Jun. 2020 **Industrial Engineer**, *Petra Diamonds*.

Jul. 2020 - Present **Data and Systems Engineer**, *Petra Diamonds*.

Certifications

Leading continuous improvement programme, *INSEAD Executive Education and Partners in Performance*.

TOGAF 9 Certified, *The Open Group.*

Machine Learning Scientist with R, *DataCamp.*

Systems Engineering, *Project Performance International (PPI).*

Toolset

Advanced **RStudio, SQL, Management Studio (SSMS), Analysis Services (SSAS), Power BI, Excel, Visual Basic for Applications (VBA), SQL Server Machine Learning Services & GitHub.**

Familiar with **Python, Visual Studio Code, Access, Flow, Hive, Spark, Tensorflow, Django, IIoT, Cloud Computing (Azure & AWS) & ERPs.**