

Daniel Wertheimer

Data Scientist

 4 September 1993

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About me

Currently working as a Data Scientist for a Financial Services Provider, servicing the entire group. Busy completing a Masters in IT with a focus on Big Data Science at the University of Pretoria, graduating at the end of 2019. I have strong mathematics, data science, physics and problem solving skills with a desire to learn. I am a social person and thrive best working in a team.

Skills

Interpersonal Communication

Office Suite (Word, Excel, Powerpoint)

Python

Deep Learning

R

Spark

Visualization

Hadoop*5 Kafka*3 \LaTeX *5 Agile

Methodologies*5 Git*5 Big Data*5

C++*3 Linux*4 SQL*5

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Interests

Learning is an important part of who I am, staying up to date with current news and techniques in data science and deep learning is a passion of mine. I keep *healthy*, I believe a healthy body encourages a healthy mind. I have goals in the gym, outside of my day job. I find *data* fascinating and strive to utilise it to derive value for the business, both in client facing and internal projects.

Education

2017 -Present	M.IT in Big Data Science <i>Machine and Statistics Learning,</i> <i>Dissertation: Unsupervised Fraud Detection in Wellness Programs</i>	University of Pretoria
2016	B.Sc Hons in Physics <i>General Relativity and the Black Ring Coordinate System</i>	University of Pretoria
2012-2015	B.Sc. in Physics <i>Modules Include: Mathematical Modeling, Statistical Mechanics, Classical Mechanics, Vector Calculus, Numerical Analysis.</i>	University of Pretoria

Experience

Oct 2017 - Present	Data Scientist Currently working as a Data Scientist in Absa. I've built numerous Proof of Concepts across several business areas to enable and educate business on the power of data. Some of my notable achievements and responsibilities are:	Absa Group Limited
	<ul style="list-style-type: none">• A novel forecasting, deep learning model that is estimated to save a large percentage of ~R750 million a year.• Allocated to joint head of the data analytics stream for strategic projects.• Presented solutions at the highest levels within the business.• Socialised and educated the team on novel techniques and recent news• Integrated with Data Engineering, utilising Agile methodologies to develop end-to-end solutions• Won 2 internal Hackathons.• Manage the data science team's code review process	
Apr 2017 - Oct 2017	Business Analyst At Rand Merchant Bank, I implemented 13 data reconciliation solutions over the course of 2 months to enhance their KYC check systems. At Discovery, I rewrote the cashback calculations for their booster benefits, detecting errors in excess of R1.3 million.	Signature Business Solutions
Feb 2014 - Jun 2015	Tutor and Practical Demonstrator I tutored the second year physics students in classical physics, waves and vibrations, and thermodynamics. I helped them with problems as well as marked their assignments. I also lead practical demonstrations for the first year medical physics students. This taught me patience and how to communicate difficult concepts in a more digestible and understandable way.	University of Pretoria