

## EDUCATION

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- **Coursera** Online  
*Completed a comprehensive variety of courses to acquire the skills of a data professional* Jan. 2023 – Jun. 2023
  - **Google Advanced Data Analytics:** Data Science Foundations, Python for Data, Exploratory Data Analysis, Statistical Analysis, Regression Analysis, Machine Learning. *(Verified certificate)*
  - **Python for Everybody:** Data Structures, Accessing Web Data, JSON & XML, Networked Application Program Interfaces, Database design, SQL. *(Verified certificate)*
  - **Excel Skills for Business:** Excel Business Applications, Data Validation, Pivot Tables, Dashboard creation, Advanced Formula Use, Automation with VBA macros. *(Verified certificate)*
  - **Introduction to Git & GitHub:** Version Control Systems, Using Git, Collaborating on GitHub, Reverting Changes, Creating Pull Requests. *(Verified certificate)*
- **Apteros Trading** Online  
*Gained advanced skills in technical analysis of financial markets incl. 3 month mentorship.* Nov. 2021 – Sep. 2022
- **Tshwane University of Technology** Pretoria, South Africa  
*Bachelor of Technology Architecture: Professional* Jan. 2008 – Dec. 2011

## EXPERIENCE

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- **Investor Relations Exchange** Cape Town, South Africa (remote)  
*Freelance: ETL, Data Visualization, Product Development* Feb. 2022 - present
  - **ETL:** Enhanced data analysis processes by establishing connections to API data feeds in Power BI, enabling seamless data loading, transformation, and access to a diverse range of datasets.
  - **Power BI:** Created interactive dashboards for mutual fund and gold market charts driving better data-driven decision-making. Implemented DAX formulas to enhance data visualizations and insights.
  - **Product Development:** Collaborated with the client to strategise and develop financial data visualizations, leading to improved market analysis capabilities for investors.
  - **Data Updates:** Implemented an automated data update process, ensuring up-to-date information availability always ready for analysis.
- **Pure Structure Trading** Kapolei, HI, USA (remote)  
*Freelance: Data Analysis, Web Development, Content Creation* Oct. 2020 - present
  - **Data Analysis:** Analysed website, YouTube, and newsletter metrics using Looker and Excel, providing actionable insights and recommendations in reports. Enabled content recommendations that maintained the top-performing YT video for over two years.
  - **Web Development:** Developed and maintained company website on WordPress, driving business promotion, educational program sales, and delivery of learning material.
  - **Workflows:** Integrated plugins and tools like MemberPress and Zapier for membership management and workflow automation in content distribution and communication significantly reducing manual efforts.
  - **Content Production:** Published finance and trading related web content and newsletters leveraging technical market analysis to convey market insights to subscribers.
- **Independent Fund Manager** Cape Town, South Africa  
*Market Analyst, Strategy Development, Risk Management* May. 2019 - present
  - **Strategy and Systems Development:** Devised and implemented analysis-driven trading strategies to capitalise on opportunities in the US Equity and WTI Crude Oil Futures Markets. Best-performing strategy achieved a 43% win rate with 1.8:1 risk-reward ratio over 163 live market trades.
  - **Data Analysis:** Implemented comprehensive data capturing systems and maintained regular analysis of results. Leveraged insights to refine the strategic approaches and enhance decision-making processes.
  - **Algorithmic Trading:** Automated manual trading strategies by developing and implementing Python-based quantitative systems, enhancing efficiency and reducing the risk of human error in trade execution.
- **Tara Rokpa Center** Groot Marico, South Africa  
*Project Director - Tikologo Permaculture Project* Jan. 2014 - Dec. 2019
  - **Project Design and Implementation:** Directed the master planning and design of a 30ha regenerative agriculture and education site encompassing land-use designation, water security planning, crop planning, and infrastructure development. Effectively executed the project, resulting in an operational demonstration site still fostering sustainable agricultural practices and environmental education.
  - **Fundraising and Grant Management:** Secured ZAR 1.1 million in project funding from international donors between 2017-2019. Effectively managed the allocated funds, ensuring proper allocation, timely payments, and comprehensive financial reporting.

- **Team Leader and Project Coordination:** Led a team of seven in the construction of an earth building while cultivating a collaborative and motivated work environment. Effectively guided the team to complete a residence which stands as a prominent model for local sustainable construction practices. Provided mentorship, training, and support to ensure exceptional workmanship and overall project success.

## TECHNICAL SKILLS

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- **Programming:** Proficient in Python, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, SQL, Git
- **Data Visualization:** Skilled with Tableau, Power BI, Excel, Looker
- **Machine Learning:** Experience with regression, Naive Bayes, K-means, random forest, gradient boosting.
- **Statistical Analysis:** Familiar with hypothesis testing, ancova, manova & mancova
- **Cloud Platforms:** Familiar with GCP(APIs)

## PROJECTS

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- **PropScout:** Exciting real estate investment app designed to empower investors and enable them to thrive in the dynamic property market. (*GitHub*)
- **Real Estate Market Analysis:** Extensive property market analysis utilizing public data and data-driven approaches to identify potentially lucrative investment locations. (*GitHub*)
- **Property Deal Analysis Framework:** Creating a standardized framework for evaluating property investments, enabling investors to make informed decisions and establish a consistent process for success. (*GitHub*)
- **Predicting Employee Churn:** In-depth analysis of employee churn factors, including exploratory data analysis (EDA) and the development of predictive models to gain insights and forecast employee turnover. (*GitHub*)
- **Google Advanced Data Analytics Projects:** A collection of projects completed as part of the Google Advanced Data Analytics Certificate program, covering a wide range of topics including data inspection, exploratory data analysis (EDA), statistical analysis, and machine learning. (*GitHub*)
- **Data Science Notebook Collection:** A comprehensive collection of Jupyter Notebook templates for data science tasks, developed to improve workflow efficiency and cover a wide range of topics, including exploratory data analysis, hypothesis testing, regression models, and machine learning models. (*GitHub*)