

Michael Teixeira

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Website: <https://tex30.github.io/portfolio/>

Personal Profile

Passionate about uncovering insights and solving problems through data. With a strong foundation in machine learning, statistical analysis, and data visualization, I thrive on transforming complex datasets into actionable solutions. My journey from hands-on construction work to data science reflects my adaptability, determination, and analytical mindset. Currently advancing my skills through specialized certifications and real-world projects, I am eager to contribute to data-driven decision-making in dynamic environments.

Technical Skills

- Programming Languages:** Python, R, SQL.
- Machine Learning:** Regression, Classification, Clustering, Time Series Analysis.
- Visualization Tools:** Tableau, Power BI, Looker, Seaborn, Plotly.
- Databases:** MySQL, PostgreSQL, MongoDB.
- Development Tools:** Jupyter Notebook, Git, VS Code.
- Business Tools:** Excel, GA4.

Education

Graduate Certificate in Data Science - GC173KP19 RMIT, Melbourne, Australia	July 2024 – Present
<ul style="list-style-type: none">Mastering advanced machine learning algorithms and statistical methods through hands-on projects using Python and RDeveloping expertise in deep learning frameworks, predictive modeling, and neural networksImplementing end-to-end data science pipelines with focus on preprocessing and model deploymentKey coursework: Advanced Machine Learning, Statistical Computing, Big Data Analytics, Data Visualization	
Machine Learning Specialization Stanford University & DeepLearning.AI on Coursera	Nov - Dec 2024
<ul style="list-style-type: none">Achieved top 1% performance with 99.33% average grade across three comprehensive coursesImplemented advanced ML algorithms including neural networks, random forests, and gradient boostingBuilt recommendation systems and applied clustering techniques for unsupervised learning	
Google Advanced Data Analytics Professional Certificate Coursera Online Platform	April 2024 – Dec 2024
<ul style="list-style-type: none">Developed predictive models using scikit-learn achieving 90%+ accuracy on real-world datasetsCreated automated data pipelines and implemented A/B testing for data-driven decision making	
Google Data Analytics Professional Certificate Coursera Online Platform	Nov 2023 – April 2024
<ul style="list-style-type: none">Mastered SQL, R, and data visualization tools (Tableau, Power BI) for analyticsCompleted capstone project analysing bike-share data to drive business decisions	
Certificate IV in Information Technology Escola Secundária de Vouzela, Portugal	2010-2013
<ul style="list-style-type: none">Foundation in programming fundamentals and system architecture	

Work Experience

Data Science Intern <i>Green Home Green Planet, Melbourne</i>	Dec 2024 - Present
<ul style="list-style-type: none">• Perform data wrangling and analysis on energy consumption and temperature data to identify correlations using Python and Excel.• Created and implemented inventory management system in Dataforce, incorporating barcode tracking for efficient stock control.• Execute daily server maintenance and provide in-house IT support for hardware/software troubleshooting.• Audit field operations for HWS and HVAC installations to ensure quality control and compliance.• Assist with client communications and subcontractor coordination for installation scheduling.• Support warehouse operations through stock movement and inventory tracking using Dataforce system.	

Trading Analyst / Market Research <i>Independent Project, Melbourne</i>	Oct 2020 – July 2024
<ul style="list-style-type: none">• Developed sophisticated analytical trading models leveraging technical indicators and advanced market pattern analysis.• Consistently achieved 60%+ success rate across 300+ live market trades, demonstrating robust trading strategy.• Engineered Excel-based systems for comprehensive market data tracking and performance analysis.• Implemented strategic risk management and precise position sizing methodologies.• Applied advanced data visualization techniques to identify and interpret market trends.	

- Key Projects:**
- Performed statistical analysis of various trading strategies and market conditions.
 - Created automated real-time market data dashboard integrating Excel and financial data sources.
 - Conducted in-depth statistical analysis of trading strategies to optimize market performance.

Data Analyst Project

Cyclistic Bike-Share Analysis, Australia <i>Analysed rider behaviour data to drive membership growth for a major shared bike company.</i>	April 2024
<ul style="list-style-type: none">• Tools: R for data manipulation, Tableau for visualizations.• Identified distinct usage patterns between casual riders and annual members.• Recommended data-driven strategies to increase membership numbers.• Developed interactive dashboards to visualize key findings.	

For further details:

[LinkedIn article:](#)[GitHub repository:](#)[Tableau presentation:](#)

Other Employment History | Further details available upon request

<ul style="list-style-type: none">• Formwork Carpenter, Australia Adcon Group Australia 2020 -2023• Hybrid Fibre Coaxial (HFC) Technician, Australia TexGo Solutions, Pty Ltd Jun 2017 - Dec 2019• Formwork Carpenter, Australia Wideform Pty, Ltd 2013 -2017• IT Technician Internship Municipal Council of Vouzela (Portugal) Apr 2013 - Aug 2013
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References

Upon request