

# JOHN VINCENT LANDINGIN

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## PROFESSIONAL SUMMARY

Experienced Data Scientist with 6+ years specializing in scalable model operations and governance for data-driven institutions. Proficient in deep learning using torch/PyTorch and a variety of other modeling packages in R to deliver advanced analytics solutions. Skilled in deploying production-grade machine learning pipelines, maintaining rigorous data quality standards with tools like pointblank, and leveraging cloud platforms such as BigQuery and Azure Fabric. Strong track record of translating complex statistical models into actionable business insights and working cross-functionally to drive operational efficiency.

## PROFESSIONAL EXPERIENCE

### Data Scientist

#### Theoria Medical PLLC

*Novi, Michigan, USA | June 2023 – Present*

- Delivered cross-functional data science solutions optimizing clinical operations, finance, and recruitment across 200+ medical facilities
- Developed LLM-powered treatment planning system integrating ChatGPT via Azure AI to streamline clinical decision-making
- Built predictive staffing optimization models using advanced analytics techniques in R to improve staff utilization and employment balance
- Created census and admission forecasting models enabling proactive planning
- Maintained automated ETL and model deployment pipelines using Airflow, ensuring data integrity and operational continuity

### Statistical Data Scientist

#### GfK

*Metro Manila, Philippines | December 2021 – June 2023*

- Developed analytics solutions for APAC consumer electronics market research, applying operations research optimization techniques
- Delivered regional training using R Shiny for interactive market data visualization
- Designed fraud detection rules improving multi-country data reliability
- Automated workflows integrating R and Excel VBA, increasing operational efficiency

### Content Analyst

#### London Stock Exchange Group (LSEG) - Refinitiv

*June 2019 – December 2021*

- Managed fund data processing: validation, formatting, and quality assurance for financial products
- Created automation solutions and maintained relationships with data providers and fund companies

### **Statistician / Owner**

#### **Statsfully**

*Philippines | February 2019 – December 2023*

- Provided statistical consulting, mentoring junior analysts in advanced analytics and modeling techniques
- Created and maintained a professional website to showcase services and resources
- Built interactive web applications using R Shiny, including a sample size calculator for studies and tools for simple descriptive statistics calculations

## **EDUCATION**

### **PhD in Data Science**

#### **University of the Philippines Diliman**

*September 2022 – Present (In Progress)*

### **Professional Master's in Data Science and Analytics**

#### **University of the Philippines Diliman**

*September 2022 – January 2025 (Pickup Degree)*

### **Bachelor of Science, Applied Mathematics**

#### **De La Salle University – Dasmariñas**

*2015 – 2019*

### **Professional Certificate, Data Science**

#### **Harvard University**

*2021*

## **TECHNICAL SKILLS**

**Programming:** R (tidyverse, torch/PyTorch, Shiny, targets, pointblank), Python (basic for API integration and automation via reticulate)

**Cloud & Data Platforms:** BigQuery, Azure Fabric, Airflow, MongoDB

**Machine Learning:** Supervised & unsupervised learning, deep learning with torch/PyTorch in R, optimization algorithms

**Data Governance & Validation:** pointblank package, data quality assurance, pipeline monitoring

**Visualization & Reporting:** Tableau, Shiny dashboards, data storytelling

**Other Expertise:** Operations research, statistical testing, API integration, workflow automation

## **KEY ACHIEVEMENTS**

- Developed automated operational optimization systems improving staff efficiency and clinical workflows with direct business impact (metrics excluded for confidentiality)
- Built predictive models and LLM-powered automation supporting high-risk patient management and document interpretation
- Maintained reliable ETL and model deployment pipelines, ensuring data quality and operational continuity under live production environments