Nigel Nuique

Melbourne, Victoria | nigelnuique@gmail.com | 0435 395 191 | nigelnuique.com |

linkedin.com/in/nigelnuique

github.com/nigelnuique

Professional Summary

Data professional with a background in data science, electronics engineering, and hands-on project delivery across industry and academic settings. Experienced in programming, data analysis, and prototyping, with exposure to NLP, machine learning, cloud platforms, and embedded systems. Skilled at building end-to-end solutions, from early ideation to deployment. Brings a strong mix of analytical thinking, practical problem-solving, and cross-functional collaboration in both independent and team-based environments.

Education

RMIT University, MS in Data Science – Melbourne, Australia   Feb 2023 – Dec 2024
- Academic merit scholarship
- GPA: 3.5/4.0 (Distinction)
- Capstone Project: Developed an NLP pipeline to harmonise medical concepts using UMLSBERT and SciSpaCy. Used Plotly for interactive dashboards and visual validation of mappings
- Relvant Coursework: Algorithms and Analysis, Programming Fundamentals, Case Studies in Data Science, Practical Data Science with Python, The Data Science Professional, Advanced Programming for Data Science, Database Concepts, Data Wrangling, Big Data Processing, Cloud Computing, Data Science Postgraduate Project, Social Media and Networks Analytics, Computational Machine Learning, Applied Analytics, Data Visualisation and Communication

University of San Carlos, BS in Electronics Engineering – Cebu, Philippines   July 2014 – May 2019
- Major in Instrummentation and Controls
- Thesis: Prepaid Solar Sytem for off Grid Communities
- Relevant Coursework: General and Inorganic Chemistry, Electronics Technology, Engineering Graphics, Calculus, Discrete Mathematics, Computer Fundamentals & Programming, Engineering Physics, Probability and Statistics, DC Circuits, Engineering Mechanics, Numerical Methods, Vector Analysis, Electronics Devices and Circuits, Engineering Materials, AC Circuits, Strength of Materials, Electronics Circuit Analysis and Design, Electromagnetics, Digital Electronics & Switching Theory, Signals, Spectra & Signal Processing, Thermodynamics, Principles of Communications, RF Circuit Analysis and Design, Feedback Control Systems, Energy Conversion, Modeling Engineering Systems, Digital Communications, Transmission Media and Antenna Systems, Microprocessor System, Computer Applications, Industrial Electronics, Embedded Controllers and Data Analysis, Fundamentals of LabVIEW, VLSI Design, Advanced Computer Programming, Data Communications, Safety Management

Experience

Personal Shopper, Woolworths Group – Melbourne, AU   Jan 2025 – present
- Fulfilled and processed online customer orders with accuracy and efficiency
- Coordinated with store teams to resolve stock issues

Strategic Contributor, Natural Velocity – Melbourne, AU (Hybrid)   June 2025 – present
- Brought on for data science expertise with flexibility to support strategy, research, and operations
- Built a PowerBI dashboard that improved sales pipeline visibility and enabled prioritization of high-impact opportunities
- Contributing across initiatives in an early-stage AI and cybersecurity startup

Transition Support Officer | Property Audit Assistant, RMIT University – Melbourne, AU   July 2023 – Feb 2024
- Conducted AV/IT audits across 14 buildings
- Resolved 37 technical issues and updated 90+ support guides

• Ensured classrooms followed layout and cleanliness standards

Associate Member of Technical Staff, Test Systems Development, Maxim Integrated   Jan 2020 – Oct 2021
(acquired by Analog Devices) – Cavite, PH
• Developed hardware and software for automated IC testing
• Resolved production line issues with product engineers

Test Development Engineer, Analog Devices – Cavite, PH   Oct 2021 – Jan 2023
• Developed test solutions and hardware for 4 new IC products
• Led qualifications for 10 products, releasing 40 setups
• Improved tester availability by 15% by removing redundant tests
• Collaborated across QA, design, and production teams

Casual Event Staff, Spark Event Group – Melbourne, AU   May 2023 – Jan 2025
• Supported major events including the FIFA WWC Finals, RMIT Graduation, Rotary Club International Convention, and the Australian Open
• Assisted with guest wayfinding, ticket inspection, handing out testamurs, and responding to attendee inquiries

Projects

Clinical Notes AI Agent
May 2025

LangGraph-based agent that extracts and validates tasks from clinical notes
• Extracts pathology, radiology, medication, and follow-up tasks
• Sends validated summaries via PDF, email, and SMS

Melbourne Airbnb Tableau Dashboard
Feb 2025

Visual dashboard showing geospatial pricing trends in Melbourne Airbnb market
• Created a multi-filter Tableau dashboard with price heatmaps

Running Shoe Subreddit Analysis
Sept 2024

NLP analysis of shoe brand sentiment on r/runningshoegeeks
• Used Python, PRAW, and NLTK to analyse community posts and sentiment

Layoffs Data Analysis
Nov 2024

Trend analysis of layoffs by industry and season using SQL
• Cleaned ,transformed, and analysed the datasets using SQL

User Identification from Walking Activity Data
May 2024

Used KNN and Decision Trees to identify users based on walking activity
• Achieved 97% accuracy using KNN and 93.1% using Decision Tree

Job Search Web Application
Dec 2023

Built a Flask app with job search and job posting functionality
• Recommended job categories with 87% accuracy using TF-IDF and NLP

Skills

Programming: Python, SQL, R, Git, C++, Visual Basic, Jupyter, VSCode

Visualization: Tableau, PowerBI, Plotly, matplotlib, seaborn

AI & ML: LLMs (OpenAI, HuggingFace),Amazon Bedrock, SciSpaCy, UMLSBERT, Prompt Engineering, LangGraph,LangChain, scikit-learn, NumPy, pandas

Cloud: AWS (basic), Google Cloud (BigQuery, Vertex AI), Azure

Tools: Neo4j, Hadoop, Cursor, SendGrid, Twilio, Jira, Confluence, Jupyter

Web: HTML, CSS, JavaScript, Flask

Electronics: PCB layout (Altium), microcontrollers (Arduino, STM32), circuit design, oscilloscopes, signal generators

Certifications

Azure Data Fundamentals DP-900

Google Data Analytics Professional Certificate

Neo4j Certified Profesional

Registered Electronics Engineer (PH)

Registered Electronics Technician (PH)

RSA (VIC)

Working With Children Check (Employee)

Full Victorian Driver's License

Extracurricular

IBM Micro-Internship: Explored Generative AI for business. Gained hands-on experience in GenAI and IBM Design Thinking

RMIT Global Leader Experience: Worked in cross-disciplinary teams to design urban solutions for Melbourne

Volunteering: BeerOPS VIP sign-in, Sole Motive Run Melbourne Expo, Together Campaign Team (RMIT University Student Union Elections), Foodbank, RUSU RealFoods Café, Yow! Conferences

Entrepreneurship: Founder of dialed.cc, a cycling focused eCommerce store with 900+ followers and 99% positive ratings on Lazada PH

Hobbies: Running, Cycling