

HIEU Q. NGUYEN (NICK)

Contact Information

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Portfolio:

<https://nicknguyen.me>

GitHub:

<https://github.com/nicknguyen22>

Education

Master of Applied Data Science

University of Canterbury, NZ

Master of Business Administration

University of Gloucestershire, UK

Bachelor of Business – Finance

Unitec Institute of Technology, NZ

Business Skills

- Strategic planning
- Project management
- Business analysis
- Critical thinking
- Problem-solving
- Innovative thinking
- Negotiation & Influence

Personal Skills

- Integrity
- Adaptability
- Adaptive learner
- Responsible
- Initiative-taking
- Able to work under pressure
- Self-starter

Personal statement

Detail-oriented and goal-driven Data Scientist with expertise in collecting, processing, and analysing complex datasets. Proven ability to apply advanced analytics and machine learning techniques to extract actionable insights. Eager to contribute skills in analytics, statistical modeling, predictive analytics, and data-driven decision-making, aiming to seamlessly integrate data science with business objectives, solving practical business problems.

Relevant Skills

- **Cloud Services:** Amazon Web Services (AWS), Microsoft Azure.
- **Database:** SQLite, My SQL, Postgres SQL.
- **Data Analysis:** Excel, Power BI, Python and R.
- **Data Mining:** Python and R.
- **Data Visualisation & Reporting:** Power BI, Tableau, Google Looker Studio, Python and R.
- **Data Cleaning & Transformation:** Python and R.
- **Distributed Computing:** Hadoop, Hive, and Spark.
- **Machine Learning & Deep Learning:** Python - TensorFlow and PyTorch, R – Caret and Nnet
- **Operating System:** Mac OS, Windows, Linux
- **Other Software/Tools:** Microsoft Dynamic 365, Docker, Git, Jira, Confluence, Jupyter notebook, MS Offices, Figma.
- **Programming Language:** Python, R and SQL.

Relevant Working Experience

Data Scientist at Nexbe Ltd Company, New Zealand (Nov 2022 – Present)

- Managed and executed the full lifecycle of the Analysing Carbon Footprint project. Orchestrated database development, data mining, modeling, visualisation, and web app creation to reveal Carbon Intensity patterns through time series pattern recognition techniques and algorithms.
- Formulated and executed an efficient model optimising solar panel arrays and battery systems, leading to significant reductions in electricity costs and amplified profits through streamlined grid electricity export.
- Leveraged PowerBI and Python to analyse complex technical and commercial data, creating informative reports and visually engaging

- Teamwork

Interests

- Reading
- Listening to music
- Badminton
- Meetup with friends
- Learning something new everyday

dashboards. This enabled the sales team to enhance stakeholder and customer engagement and drive revenue expansion.

- Utilised PyTorch and TensorFlow frameworks to deploy Recurrent Neural Networks (RNNs) for predictive analysis of electricity spot prices, further enhancing battery optimisation efforts.
- Conducted in-depth pricing analysis of electricity Contract for Difference (CfD) to devise a strategic algorithm for maximising CfD profits.
- Creating and generating analytical reports using Excel and Power BI to assist non-technical business functions and stakeholders.
- Conduct comprehensive data cleansing, validation, and transformation processes while constructing databases using SQL and Python. These initiatives significantly contribute to elevating data accuracy and ensuring overall data integrity.
- Collaborated with the Software Architect to define data quality standards and perform checks, resolving anomalies, inconsistencies, and missing values.
- Enhanced database performance for large datasets by optimising SQL queries, implementing indexing and query tuning, and refining the database schema to facilitate efficient data retrieval.

Other Working Experience

Advisor to The Chairman at Nadyphar JSC., Vietnam (March 2018 – Feb 2022)

Founder & Strategic Development Director at Acexis JSC., Vietnam (Apr 2018 – March 2021)

Multichannel Marketing & Project Manager at GSK (GlaxoSmithKline), Vietnam (Aug 2016 – Feb 2018)

Business Development & Project Manager at GSK (GlaxoSmithKline), Vietnam (July 2013 – Aug 2016)

Business Development & Project Manager at GB Corporation, Vietnam (Nov 2010 – Apr 2013)

Head of Management Information Service & Assistant to Chief Operating Officer at An Binh JS. Commercial Bank, Vietnam (March 2009 – Oct 2010)

Head of Technical Business Analysis Sacombank Securities JSC., Vietnam (Nov 2007 – Feb 2009)

Detail of Other Working Experience above available on request