Wilson Nguyen

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Education

The University of Queensland   Brisbane
Bachelor of Computer Science / Master of Data Science (Machine Learning Major)   2022 – Ongoing
Relevant Coursework: Machine Learning, Artificial Intelligence, Algorithms & Data Structures, High Dimensional Data Management, Data Science, Advanced Database Systems, Mobile Development, Statistical Learning, Discrete Mathematics, Calculus

Experience

UQ Wind Modelling — Winter Research Program   Brisbane, 2024
Research Assistant
- Outcome: supported turbine optimisation studies (PEST, ML, data viz) and presented findings to researchers.
- Learned: designing experiments, communicating research, and handling large datasets reproducibly.

START China: Global AI & Entrepreneurship Program   Dalian, China, 2025
Team Lead, AI Startup Project — NCP Scholarship Recipient
- Outcome: led cross-functional team to 2nd place among 7; shipped an AI mobile app prototype.
- Learned: cross-cultural leadership, Agile MVP design, and aligning tech with user value.

Computers4Learning   Brisbane, 2023 – 2024
Technical Volunteer
- Outcome: refurbished laptops to a high standard, enabling affordable access for students and low-income families.
- Learned: hardware diagnostics, QA processes, and customer-focused service delivery.

Projects

Windash – Energy Monitoring Solution   2024
React Native, Node.js, MongoDB, TensorFlow   GitHub
- Built a mobile app to track and predict household energy use with real-time dashboards and bill estimation.
- Outcome: functional prototype helped users cut costs and monitor sustainability goals.
- Learned: Agile sprints with Jira, ML deployment, and full-stack app delivery.

Beyond the Bus Stop – Brisbane Public Transport Flow   2025
LightGBM, Polars, Streamlit, Tableau   GitHub
- Analyzed 17M+ trip records with census/weather data; built demand forecasts and suburb connectivity visuals.
- Outcome: uncovered operator dominance and weak suburb links; dashboards informed planning discussions.
- Learned: scalable ETL (Polars), feature engineering, and stakeholder-ready data storytelling.

Skills & Interests

Technical: Python, SQL, Power BI, AWS Cloud, React Native, Node.js, MongoDB
Professional: Agile (Scrum), Jira, Communication, Time Management, Problem Solving, Adaptability
Interests: Data Analytics/Science/Engineering, Machine Learning/AI, Big Data, Optimization, Cats

Societies & Leadership

Executive, UQ Vietnamese International Students Association (UQVISA)   2024

- Outcome: organized cultural and networking events for 50+ members, strengthening student engagement on campus.
- Learned: leadership, event coordination, and cross-cultural communication.

Member, UQ Computing Society   2022 – Present
Member, Griffith Volleyball Club   2025 – Present