PATRICK SONGCO

Computer Science graduate interested in Data Science and Blockchain Technology

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EDUCATION AND VOLUNTEERING

Bachelor of Computer Science (Honours) major in Artificial Intelligence and Data Analytics   **FEB 2018 – NOV 2021**
UNIVERSITY OF TECHNOLOGY SYDNEY
- 2019 Dean's Merit List Award for Information Technology
- 2020 Dean's List Award for Information Technology
- 2021 Dean's List Award for Information Technology
- 2022 Dean's List Award for Information Technology
- 6.86 GPA/91.43 WAM

Teaching Placement – The Sacred Valley, Peru   **SEPT 2015 – NOV 2015**
PROJECTS ABROAD
- Working alongside teachers developing lesson plans to teach English to primary school children

Bachelor of Science major in Pharmacology   **FEB 2008 – DEC 2012**
UNIVERSITY OF NEW SOUTH WALES

TECHNICAL SKILLS

Languages	Python, JavaScript , C++, SQL, R, MATLAB, HTML, React
Systems	Windows, Linux, Macintosh
Data Analytics	PyTorch, Jupyter, MLFlow, AWB, H2O.ai, GIthub, TensorFlow, Keras, KNIME, Deep Learning Architectures
Software	Tableau, Jira, Gephi, PowerBI, Trello, Salesforce.com, Best Practice, PracSoft, MS Office (Word, PowerPoint, Excel, Teams)

TRANSFERABLE SKILLS

✓ **Structured Problem Solving:** Interest in applying learned methodologies to real world applications. Developed Neural Network solutions for classification problems achieving High Distinction in university projects.

✓ **Teamwork:** Acknowledged by practice Doctor and peers in driving the accreditation process for a General Practice. This involved liaising with other Allied Health Professionals and The Royal Australian Collage of General Practitioners (RACGP). The practice was able to gain accreditation against the Standards via an independent accreditation agency.

✓ **Effective communication:** Cold calling C-level executives in my previous sales role has allowed me to develop my communication skills with appreciation for the different communication styles required when working with various internal and external stakeholders.

✓ **Time management:** Dedication to effective prioritisation by allocating tasks and recording activities in diaries and daily to-do lists has allowed me to work whilst completing my second degree, while maintaining a high distinction average.

PROFESSIONAL EXPERIENCE

RBS ANALYTICS GRADUATE   **FEB 2022 – PRESENT**
COMMONWEALTH BANK

Achievements:
- AI Labs Team:
  - Design, implement, and evaluate experiments to test the performance of AI systems - specifically Large Language Models and the transformer architecture.
- Risk and Remediation Data Science Team:
  - Successful implementation of a complaints model currently being used in production
- Digital Fraud Analytics Team:
  - Successfully developed a reporting dashboard providing key stakeholders with a view of the performance of our Rule Suite

PRACTICE MANAGER JAN 2016 – FEB 2022
RAMRAKHA SURGERY

The role involves establishing processes and implementing standards in order to provide optimum patient experience. Responsibilities include:

- Driving the accreditation process by ensuring all standards are maintained consistent with RACGP and AGPAL accreditation standards.
- Creating SQL scripts to identify operational efficiencies and targeted patient management
- Ensure ongoing financial control and profitability for business growth
- Provide professional support to the practitioner and allied health professionals, including management of rostering GP's and practice staff, appointment bookings, and billings.
- Practice billings, receivables, liaising with Medicare when required.

RESEARCH ASSISTANT JULY 2021 – DEC 2021
DATA SCIENCE AND MACHINE INTELLIGENCE LAB, UTS

Working with an industry partner, the role involved building and testing software to aid in Data Quality Management. Responsibilities include:

- Backend and Frontend application development using a Django/React framework.
- Producing documentation for the usage and future development of the application.
- Collaborating with UTS and industry partner stakeholders to ensure the timely delivery of our objectives.
- Providing recommendations on current research avenues to integrate a machine learning framework in future iterations of the application.

RBS ANALYTICS SUMMER INTERN NOV 2020 – FEB 2021
COMMONWEALTH BANK

As an Analytics Intern, I was able to successfully own and deliver a "Next Best Conversation" module in the Bank's Customer Engagement Engine (CEE). This process involved:

- Project initiation – requirements gathering from various stakeholders in the Bank.
- Analysis of targeted customer segments via SQL database queries.
- Production of project brief and details of implementation.
- Liaising with Delivery, Product, Digital, Marketing, Channels and Leadership Team to obtain required approvals.
- Project handover to Delivery for project build.
- Pre-Verification Testing and Business Verification Testing to ensure the projected customers were contacted.

In addition, I was given the chance to present to Leaders in the organisation, network with Data Scientists to understand their scope within the context of the organisation and contribute to planning off-site events for my team.

CLINICAL ADMINISTRATIVE ASSISTANT SEPT 2014 – JAN 2016
RAMRAKHA SURGERY

The role involved aiding the Doctor in consultations as well as ensuring the smooth running of the surgery.

PROFESSIONAL DEVELOPMENT

- Mastering Communication Program - The Colin James Method **JAN 2022**
- Project Management Foundations – LinkedIn Learning **MAR 2020**
- CPR, triage, infection control training **MAR 2016**
- Other languages
  - Filipino
  - Spanish lessons **SEPT 2015**

REFEREES

Available upon request