OLIVER KING

(64)221650318

olivermaxwellking.com

oliver.maxwell.king@gmail.com

linkedin.com/in/oliver-maxwell-king

PROFESSIONAL SUMMARY

Passionate Data Scientist with extensive experience in data science and machine learning, fluent in languages including Python (and all its core data science libraries), and SQL, and familiar with machine learning frameworks such as TensorFlow, PyTorch, and Keras.

Strong analytical and problem-solving skills, with a proven ability to absorb new domains and datasets, and identify what problems are most valuable for stakeholders and customers.

Highly skilled programmer, well-versed in development standards and frameworks; cloud computing and distributed computation platforms; and Big Data technologies.

Extensively qualified and certified in data science, data analytics, machine learning, artificial intelligence, and data engineering.

Excellent communication, presentation, and collaboration skills with strong background working with stakeholders and as part of cross-functional teams, and in delivering actionable recommendations to senior management.

Committed to continuous self-development with a true passion for learning new skills, technologies, and techniques, and solving challenging problems.

KEY SKILLS

- Machine Learning
- NLP
- Regression
- Python
- Collaboration
- Artificial Intelligence

- Data Analysis
- Computer Vision
- Classification
- SQL
- Reporting
- Process Automation

- Data Mining
- Time-Series
- Clustering
- Data Visualisation
- Presentation
- Commercial Acumen

PROFESSIONAL EXPERIENCE

Data Scientist
Suncorp, *Auckland, NZ* | July 2021 – Present

Contributes expertise in data science to support numerous initiatives spanning different business units across life, general, and corporate insurance within an agile development environment. Responsibilities involve data extraction and mining from structured and unstructured sources; performing descriptive, diagnostic, predictive, and prescriptive analytics; creating reports, visualisations, and dashboards and presenting them to stakeholders; streamlining and automating processes; and building and maintaining machine learning models.

- Following two catastrophic weather events in early 2023, developed, deployed, and monitored an ML model for extracting data from customer-completed claims forms and built a robot that then automated claims lodgement.
- Built, trained, and deployed an NLP (Natural Language Processing) neural network for classifying emails by their multiple and non-mutually exclusive topics, allowing for informed and effective triaging, and greatly increasing the operational efficiency of underwriting teams.
- Developed a deep learning model capable of using computer vision to accurately determine from satellite imagery whether a property was located on an erosion-prone clifftop, allowing for more informed risk selection and portfolio management.
- Coded and deployed a data-mining program to quickly and automatically collect, clean, and analyse large amounts of data, enabling the legal department to respond accurately and promptly to an urgent information request from regulators. This helped avoid penalties and to maintain a positive working relationship.

- Created several reports and dashboards using Tableau and other data visualization tools, integrating relevant data from a wide range of disparate sources including data lakes, unstructured sources, and cloud services such as AWS.
- Regularly coordinated with stakeholders to identify opportunities to apply AI-driven solutions to solve business problems and elevate customer experiences. Ideated, scoped, and implemented project designs, and monitored and documented results.
- Actively contributed as the Data Subject Matter Expert on the Portfolio Management Committee, leveraging data and AI-driven insights to inform business strategies related to risk selection, pricing, proposition development, and overall portfolio management.

Underwriter
Suncorp, *Auckland, NZ* | April 2019 – July 2021

Evaluated complex insurance applications, assessed risks, and determines coverage and terms. Analysed supporting information such as structural engineering reports, and flood risk assessments to make informed decisions. Ensured compliance with company policies and industry regulations while balancing profitability and risk management. Effectively communicated decisions and reasoning to Business Development Managers, Relationship Managers, intermediaries, and customers. Automated several procedures and implemented data collection, analysis, and reporting processes

- Created and deployed a tool for automated calculation and distribution to relevant business stakeholders of premium credits for backdated cancellation of coverage resulting in a near-total reduction in errors and reducing the impact of waste.
- Developed data collection and analysis processes utilising machine learning, and created and presented reports to senior leaders, the business insights of which immediately began to be used for decision-making around team structure, underwriting guidelines, and training and development plans.
- Following 5 rounds of training and examinations was issued an Underwriting Licence with the second highest level of delegated personal lines underwriting authority in the organization.
- Actively participated in regular meetings with pricing, product, and portfolio management teams to assess business performance, identify areas for improvement, and collaboratively develop strategies.

EDUCATION AND CERTIFICATIONS

Bachelor of Arts in Economics, Logic and Computation | The University of Auckland

Data Science Professional Certificate | IBM
Advanced Data Science Specialization | IBM
Machine Learning Professional Certificate | IBM
AI Engineering Professional Certificate | IBM
Data Analytics Professional Certificate | IBM
Data Engineering Professional Certificate | IBM

Professional Membership | Singapore Computer Society