Bobby Lo

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SUMMARY

Ex-healthcare and retail worker transitioning into data science role after completing HyperionDev Data Science Skills Bootcamp. Proven over 6 years of experience collaborating in cross-functional teams of 5-20 people. Core skills include data analytics, data visualization, machine leaning modelling and deliver actionable insights aligned with computer science and statistics.

SKILLS

- **Data programming: Python**, **SQL**, **TensorFlow**, **Keras**, **Scikit-Learn**, spaCy, XGBoost, Matplotlib, Seaborn
- **Cloud computing: AWS**, **Microsoft Azure**, Google BigQuery
- **Version control: Git**, **GitHub**
- **Data visualization: Tableau**

WORK EXPERIENCE

Aldi Stores Ltd | Deputy Manager - London, UK   10/2023 - 08/2024
- Executed a data-driven _Bakery Waste Reduction_ project in operation team using linear regression
- Achieved less than 1% daily pastry food waste through time series data analysis

Honi Poke Ltd | Drinks Team Leader - London, UK   03/2023 - 09/2023
- Projected food ingredient consumption rates across multiple stores using linear regression to solve stock rotation problems
- Visualized stock inventory data and maintained food costs below 30% through periodic sales data analysis

KDL Beverages Ltd | Store Assistant - London, UK   12/2022 - 03/2023
- Initiated daily sales forecasts using linear regression with real-time data
- Achieved a record of 300% sales increase in a single day through strong team collaboration

Hospital Authority | Diagnostic Radiographer - Hong Kong, Hong Kong   08/2018 - 09/2022
- Performed maximum intensity projection techniques to convert 3D medical imaging data into 2D image displays
- Visualized organ segmentation in CT images using computer vision feature detection algorithms to assist medical diagnosis
- Designed more than 25 image processing protocols to display X-ray images with maximum diagnostic value

TECHNICAL PROJECT

Bank of England Base Rate Forecast Project   04/2025 - present
- Translated economic data into predictive insights with real-world relevance
- Build a polynomial regression model to generate daily base rate predictions with **Pandas, NumPy, scikit-learn** and **Matplotlib**
- Proven successful forecast base rate cut decision before Monetary Policy Committee announcement

Machine Learning with Python Certification Project | freeCodeCamp   09/2024
- Initiated a _Cat and Dog Computer Vision_ project with **TensorFlow** and **Keras**
- Evaluated the convolutional neural network (CNN) model with 68% image classification accuracy

Kaggle Learn Certificate Project | Kaggle   09/2024
- Built a model for the _Hotel Bookings_ project using **TensorFlow** and **Keras** framework
- Trained the prediction neural network model with 84% accuracy in predicting in hotel cancellations after hyperparameter tuning
- Designed a **SQL** query for the _Most Popular Programming Language in GitHub_ project on the Google BigQuery platform

Data Science Bootcamp Project | HyperionDev   06/2024
- Created a _Natural Language Processing (NLP) Sentiment Analysis Tool_ to captured Amazon product consumer reviews using **spaCy**

EDUCATION

Data Science Skills Bootcamp | HyperionDev   03/2024 - 06/2024
Average grade 99%
- Mastered **Python** programming and data science libraries, including **NumPy**, **pandas**, **Scikit-Learn**, **matplotlib** and **seaborn**
- Adapted to software engineering version control practices using **Git** and **GitHub**

MSc in Health Informatics | The Hong Kong Polytechnic University   09/2020 - 08/2022
Distinction, Dean's Honours List
- Course Highlights: COMP5511 Artificial Intelligence concepts, COMP5241 Software Engineering and Development

BSc (Hons) in Radiography | The Hong Kong Polytechnic University   09/2014 - 08/2018
Second Class Honours, Division 1 (2:1)

CERTIFICATION

Ai Planet: Data Visualization 101 Using Tableau, Microsoft : Train and manage a machine learning model with Azure Machine Learning, Google: Generative AI Fundamentals, AWS: Machine Learning Foundations, Introduction to Cloud 101