

Jun William Chen

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Education

KING'S COLLEGE LONDON

Degree: MSc Data Science

Graduation: 12/2023

Grade: Pass with distinction.

Relevant Modules: Big Data Technologies, "Pattern Recognition, Neural Networks, and Deep Learning", "Databases, Data Warehousing, and Information Retrieval", Data Mining, Introduction to Data Visualisation, Statistics for Data Analysis.

UNIVERSITY OF SUSSEX

Degree: BSc Mathematics

Graduation: 07/2022

Grade: First class honours.

Relevant Modules: Linear Algebra, Probability and Statistics, Linear Statistical Models, Statistical Inference, Discrete Mathematics, Numerical Analysis, Dynamical Systems, Numerical Solution of Partial Differential Equations.

Relevant Experience

KING'S COLLEGE LONDON

Disproportionality in Stop and Search Action in London

January, 2023 – August, 2023

Spearheaded project entailing a data collection effort via web scraping and APIs, amassing over 1,000,000 data points. Conducted data preprocessing, wrangling, and analysis aided by effective visualisations. Developed machine learning models, achieving over 90% accuracy in forecasting disproportionality in the BAME community in London. Derived actionable insights and policy recommendations for the U.K. police.

UNIVERSITY OF SUSSEX

Random Matrix Theory and the Riemann Zeta Function

October, 2021 – January, 2022

Employed analytical and practical skills to reconcile conjectures across disparate fields. This involved conducting model testing, rigorous mathematical proofs, feature engineering, and data analysis using advanced statistical techniques. Additionally, produced data visualisations to illustrate key insights and facilitate understanding.

Awards

UNIVERSITY OF SUSSEX, Department of Mathematics, 2022

Prize: "Prize for the Outstanding BSc Project".

Technical and Interpersonal Skills

Programming: Python, SQL, JavaScript, and R.

Business Intelligence Tools: Tableau and Excel.

Languages: Italian (Native) and English (C1).

- Successfully led team-based projects, honing project management and leadership skills to deliver the final product on time and ensure success despite the tight schedule and inconveniences.
- Proactive approach in learning and undertaking new individual projects of different magnitudes, and keen on exploring new concepts and technologies.
- Goal-focused and pragmatic. Blending conservative and creative out-of-the-box solutions motivated by strong curiosity. Active listener of feedback and easily adaptable to continuously improve.
- Effective communication skills with peers and clients with ability to convey complicated concepts in simpler terms while maintaining high standards in carrying out a detailed and rigorous research.