

Alexander Smerdon

Location: Greenwich, London

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Experience

Data Scientist and Software Developer with experience in database management and programming. Proficient in Python, SQL, and Javascript, with a strong background in data science. Recently finished an MSc in Data Science at King's College London, focusing on machine learning, data mining (including NLP), and spatial data technologies.

Technical Consultant - Virtusa

November 2021 – September 2023

- Led a data migration for a UK bank, ensuring seamless transfer of customer data.
 - Collaborated with clients to understand requirements and maintain data integrity.
 - Utilised MySQL for data transfer and Java Spring Boot to maintain code validity.
 - Deployed Python scripts for testing, improving efficiency and accuracy in the development lifecycle.
 - Created comprehensive documentation and reports to track project progress and outcomes, facilitating transparent communication with stakeholders.
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Education

Data Science MSc - King's College London

September 2023 – September 2024, Merit

- **Focus:** Machine Learning, Neural Networks and Deep Learning, Data Mining (including Geospatial data and NLP), Big Data Technologies, Statistics, Computer Vision and Data Visualisation.
- **Project:** *Urban Inequalities in North East London* - Building regression models to predict life expectancy and income based on demographic data; evaluating clustering techniques for geospatial data mapping, with the goal of highlighting areas currently underserved by public services.

Computer Science BSc - Cardiff University

September 2018 – May 2021, 2:1

- **Focus:** Data Structures and Algorithms, Network Analysis, Programming, Security, Emerging Technologies, Project Management, Web Application Development, Communication Networks, Human-Computer Interaction and Distributed Systems.
 - **Project:** *Heartbeats* – Developed a JavaScript web application linking workout and music-listening data to analyse effects on exercise performance.
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Skills

- **Programming Languages:** Python (including TensorFlow, PyTorch), Java, SQL, R, MATLAB.
- **Web Development:** HTML, CSS, JavaScript (D3, React, plus frameworks like Node.js), Flask, Django.
- **Data Analysis & Visualization** Matplotlib, Seaborn, QGIS, Geopandas, Excel, Tableau, Numpy.
- **Tools & Technologies:** Git, MySQL, PostgreSQL, MongoDB, Apache Spark, BeautifulSoup, Selenium.
- Co-host of an award-winning radio show.