Alexander Smerdon
Location: Greenwich, London **| Mobile:** 07980 574914 **| Website:** asmerdon.github.io **| Email:** alexsmerdon7@gmail.com

Experience

Data Scientist and Software Developer with experience in database management and programming. Proficient in JavaScript, Python, and SQL, 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.

Outlier.ai - Contributor
October 2024 – present (part-time/freelance).

- Reviewed and refined large language model (LLM) outputs based on predefined evaluation frameworks, ensuring accuracy, relevance, and clarity.
- Included correcting and Python and JavaScript responses to avoid errors and improve code efficiency.

Virtusa - Technical Consultant
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 deployed Python scripts for testing and data validation, improving both efficiency and accuracy throughout the process.
- Mentored team members through comprehensive documentation, knowledge-sharing sessions, and detailed code reviews, fostering team growth and maintaining high code quality standards.

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.
- **Dissertation:** *Urban Inequalities in North East London* - Built regression models to predict life expectancy and income based on demographic data; evaluated 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 and Distributed Systems.
- **Dissertation:** *Heartbeats* – Developed a JavaScript web application linking workout and music-listening data (via APIs) to analyse effects on exercise performance and provide genre recommendations to the user.

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.