

Oliver John Boyd

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Objective

A versatile and analytical professional with a strong foundation in mathematics, computer science, and data analysis, seeking to leverage extensive experience in software development, tutoring, and AI enhancement in the role of Data Scientist. Adept at developing innovative solutions, enhancing data quality, and contributing to machine learning projects, aiming to drive business insights and operational excellence within an Analytics and Automation team.

Professional Experience

Software Developer - AI Trainer

January 2024 – present

Surge AI

- Analyse language model outputs to enhance end-user interactions with AI technologies.
- Develop and implement comprehensive testing frameworks for new AI models to ensure reliability and effectiveness prior to deployment.

Software Developer

March 2017 – October 2017

Star Genie Limited

- Used Microsoft Excel to conduct statistical analysis on sales data, telephone traffic and student pass rates.
- Developed custom programs using Google Apps Script to automate and enhance functionality in Google Sheets spreadsheets.
- Collaborated with the web development team to test the company website and mobile applications across various devices and web browsers.
- Carried out competitor research, comparing pricing and marketing strategies.

Mentor

July 2022 – January 2023

LTE Group

- Provided training in fundamental IT skills such as use of email and Microsoft Office applications (Word, PowerPoint and Excel).
- Developed a digital learning platform with video tutorials, interactive mock exams, and downloadable study materials.

Tutor

June 2019 – present

Self-employed

- Provide tutoring in mathematics, physics, and chemistry to students at various academic levels — 11+, 13+, GCSE, A-Level, and undergraduate courses — complemented by detailed weekly progress reports.
- Offer specialised support for students applying to leading UK universities for mathematics and computer science, including preparation for interviews and entrance exams (STEP, TMUA, MAT and CSAT).
- Delivered remote teaching in secondary schools through the MyTutor Schools Programme during the COVID-19 pandemic (*January – April 2021*).

Educational Background

Pembroke College, University of Cambridge

Graduated: 2019

BA (Hons) Mathematics

- Participated in the STIMULUS programme, teaching A-Level Mathematics at Long Road Sixth Form College, Cambridge.
- Completed CATAM projects demonstrating proficiency in MATLAB and an understanding of the Runge-Kutta method and RSA algorithm.

Loreto Sixth Form College, Manchester

2012-2014

A-Levels in Mathematics, Further Maths and Physics; AS-level Chemistry

St Ambrose Barlow Roman Catholic High School

2007-2012

10 GCSEs including Mathematics and English

Technical Skills

- **Programming Languages:** Python, JavaScript, LISP (Scheme), C++
- **Data Analysis Tools:** SQL, Microsoft Excel (Advanced functions, Macros), MATLAB

Other Certificates

- NCFE Level 2 Award in Mentoring
- SFEDI Level 2 Award in Aspects of Preparing to Set Up a New Business
- Bronze Medal & Certificate of Distinction, British Mathematical Olympiad 2013
- OCR Level 2 National Award in ICT