

Harris Ryder

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PROFILE

I am an Engineering graduate from Cambridge University, where I specialised in Manufacturing Engineering. Since graduating I have been a data analyst, software engineer and most recently a product designer. My strong foundation in maths has always been relevant and allowed me to excel in all my jobs, during my career I have tutored privately and I have found teaching Mathematics to be very enjoyable and rewarding, and since have decided to pursue private tuition.

EDUCATION

2015 – 2019	University of Cambridge (Girton College) BA (Hons), MEng: Manufacturing Engineering Tripos (2.1, Merit)
2013 – 2015	Hills Road Sixth Form A Level: Mathematics (A*), Chemistry (A*), Physics (A*) AS Level: Further Mathematics (A)

EMPLOYMENT/WORK EXPERIENCE

Oct 2020 – Present	Product Designer - Apiject System Corp, Stamford, Connecticut, USA <ul style="list-style-type: none">• Apiject helps pharmaceutical companies deliver injectable medicines to more patients through the combination of fill, finish technologies and innovative design.• Working in a division focused on future products run by the founder.• Generating new concepts, with a focus on CAD design and prototyping.
May 2019 – Oct 2020	Product Manager - Hawksley Medical Equipment, Lancing <ul style="list-style-type: none">• Began as a final year Master's placement and was offered a permanent role.• Took on the design of the company's new medical centrifuge, corresponding with manufacturers based in Korea & Germany.• Completed the production of a prototype that performs to specification and complies with CE certification.• Analysed the firm's operations and capabilities to decide how best to manufacture, market and sell products.
Dec 2015 – July 2019	Application & A-Level Mathematics Tuition - Cambridge University <ul style="list-style-type: none">• Tutoring students in A-level Maths Core Modules and Oxbridge application coaching.• Create lesson plans and develop resources to fulfil individual needs of students.• Evaluating and measuring maths skills and adapting lessons to students progress
July 2017	Software Developer Internship - HVPD, Manchester <ul style="list-style-type: none">• HVPD supplies equipment to detect and monitor on-line partial discharge for the condition assessment of in-service electrical equipment. My role was to investigate an algorithm's applicability for use as a data compression tool.• Improved and simplified an existing Java program that applied vector quantization to technical data. Designed a windows application to allow intuitive use of the program.
August 2016	Design and Marketing Intern - Avantec, Shoreham <ul style="list-style-type: none">• Designed and produced multiple prototypes for a low-cost badminton training aid.• Deliverables included a CAD model, product website and planned route to market.

ADDITIONAL SKILLS/LEISURE

I.T.	Computer literate: Word, Excel, PowerPoint, SolidWorks, MATLAB, Swift, Photoshop.
Languages	Conversational Spanish, born in Barcelona, I lived there until the age of 10.
Photography	Keen photographer for the past 5 years, have worked at music events.
App development	Enjoy IOS app development, with puzzle game Panl being the most successful app.
Punting	Qualified punt tour guide, mastering both punting and Cambridge history