Archibald Browne

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EDUCATION

Imperial College London

South Kensington, London — **BSc Mathematics**   OCT 2021 – JUL 2024

1st Year Grade: 77.06% (Top 15% of Year Group) 2nd Year Grade: 78.34% (Trailing Credit, Strikes)

Modules: Linear Algebra, Numerical Analysis, Statistics, Object Oriented Programming, Research Project.

Paid Student Recruitment/Outreach Ambassador and Mathematics Tutor (AMSP & MEI)

Sir Isaac Newton Sixth Form   SEPT 2019 – JUN 2021

A Levels: A*A*A (Mathematics, Further Mathematics, Physics)

WORK EXPERIENCE

Xena Research Group   JUL 2023 – AUG 2023

Undergraduate Researcher, Professor Kevin Buzzard (ICL)

- Developed Lean formalisation solution to mathematics statements using dependent type theory and functional programming.
- Presented a talk on my work to a group of experts and answered technical questions.

AMSP & MEI   JUN 2023 – SEP 2023

Entrance Exams Mentor

- Guided a group of 10 year twelve students over summer preparing for MAT, STEP and TMUA.
- Communicated my feedback on problem sheet solutions.

Imperial Triathlon   AUG 2022 – AUG 2023

Treasurer

- Managed a budget of £10k whilst dealing with external and internal communications. Organised summer tour to Lanzarote including accommodation and flights.
- Planned the budget for the following year and briefed the incoming treasurer.

The Canoe Man Ltd.   JUL 2022 – AUG 2022

Launch Assistant

- Hiring out Canoes and Kayaks whilst cleaning and organising my working area.
- Interfacing with clients, often dealing with over 150 customers a day. 50 hours a week.

My Tutor Ltd.   DEC 2021 - PRESENT

Mathematics Tutor

- Tutoring A Level and GCSE students for their exams
- Maintaining communication with customers to track their progress throughout

AWARDS & KEY SKILLS

JPMorgan Chase & Co. Software Engineering Job Simulator   SEP 2023

Securities Education Certificate (SEC)   DEC 2021

National Citizenship Service (NCS)   AUG 2019

Programming: Python, R, Julia, Lean, HTML5, CSS, Numpy, Pandas, Matplotlib, Scikit-Learn, Scipy, Matlab Node.js, TypeScript, JavaScript. Skills: Excel, PowerPoint, AI / Machine Learning, Data Analysis, Communication, Leadership, Research. Hobbies: Guitar (Grade 7, 10 Years), Marathon Running (Time: 03:12:27), Imperial Cross Country & Athletics.

REFERENCES

- Christopher Salvi *(Personal Tutor, ICL)*   c.salvi@imperial.ac.uk
- Professor Kevin Buzzard *(Supervisor, UROP)*   k.buzzard@imperial.ac.uk