

# Alasdair Koplick

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A driven and creative team player who enjoys working on challenging projects and solving complex issues. Broad academic and extracurricular achievements with a Masters 2:1 in Physics from University of Manchester. Experience of and passion for, complex analytics and creative problem solving and the use of mathematical modelling. Successful in organising, managing teams and training. Looking for opportunities in Consulting and Finance, with a particular interest in the areas of sustainability and renewable energy.

*Other interests include, 3D environment design, bouldering, jazz piano, music production, sailing and theatre technology*

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## Experience and Achievements:

### University (2020-2024), 2:1 Masters in Physics at University of Manchester:

- **Final year Masters project modelling brown dwarf distributions** in the Milky Way using astronomical data, in a two person team, producing two [papers](#) requiring accurate and technical writing for which I achieved a first. Necessitated in-depth research; application of rigorous data analysis to a complex problem; handling large datasets and mathematical modelling using Python; and subsequent presentation to other researchers working in the field, receiving full marks.
- **Committee for Manchester University Technical Theatre Society** in my final year, one of the largest student run technical theatre groups in the UK, organising socials, dynamically managing live productions, building team and leadership skills, leveraging 8 years of experience on sound desks.

### Gap Year (2019-2020):

- **Solo travelled to Japan** for a month to achieve a long term goal and challenge myself logistically and organisationally, requiring self reliance and planning as well as learning the basics of a new language.

### City of London School (2011-2019), A-levels; A\* in Maths, AAA in Physics, Economics and EPQ

- **Researched and consulted professionals in the Cyber Security industry to write an EPQ** as part of my A-levels. Researched a technically advanced subject I was passionate about, requiring a professional level presentation and final report, being used by a cyber security consultant for educational peer work.
- **National Physical Laboratory Summer Academy**, 1 of ~ 30 students accepted onto the program, performing a practical experiment guided by some of the UK's leading researchers on measurement.
- **Designed and produced a product that we sold to students** as part of the school's Young Enterprise Scheme, requiring teamwork, leadership and innovation, as well as drive to understand the commercial process and passion for market research to find a niche to sell in.
- **Founded a society & successfully applied for a grant** to jointly establish and run a school society for a year, researching and commencing the building of a radio telescope, determined to demonstrate it could be done cost-effectively.

### iGCSEs (2016), 9 A\*'s in Eng Lit & Lang; Maths; Bio; Phys; Chem; German; History; Latin. A in Music.

- **Earned Duke of Edinburgh Gold**, Silver and Bronze certificates, developing swimming, sailing, and music skills, as well as leadership and teamwork experience while on expeditions and volunteering.

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## Previous Work Experience & volunteering:

**From 2018 to present** I have worked as a Dinghy Instructor at Wembley Sailing Club teaching the RYA syllabus to children and adults, running 1-week courses, delivering results for students on time.

**In 2023 and 2024** I volunteered at the Edinburgh Fringe with the theatre tech company Paradise Green.

Additionally I volunteered for DofE with my local scout group, and the Rona Sailing Project (a charity helping disadvantaged children to sail yachts). These experiences gave me a sense of commitment to the community.

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**Other Certifications:** Grade 8 Piano; RYA Dinghy Instructor; DoE Gold; PADI open water diving certificate