

# Joshua Kirby

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National 5 Education: English A

Higher Education: Maths A, Physics A, Graphics A, Business B, English (Current)

Advance Higher Education (current): Maths, Physics, Open University Technologies in Practice

## **Professional Experience as an Intern:**

GenkiJACS (Fukuoka, Japan) - 1 month: Japanese Language and Culture School

- Through early exposure to the workplace, I honed essential professional skills such as effective communication, collaboration and time management. These skills are transferable and have enabled me to succeed in various roles and industries.

Frances King School of English (London) - 1 month: English School

- Optimised operations by creating a comprehensive guide for future apprentices and interns outlining their responsibilities and weekly routines. This initiative saved the company valuable time and resources, while also providing a valuable resource for incoming staff.
- Demonstrated strong skills of improvisation and adaptation during a critical period when our network was hacked, leaving many IT tools obsolete. Despite the challenging circumstances, I worked creatively to find alternative solutions and completed my tasks effectively, contributing to the company's overall success during this busy period.

HALO Trust (Dumfries) - December 2022 to Present: NPO

- Developing an AI model to detect and digitise buildings in Afghanistan that are not yet in public records. With over 1500 buildings digitised, this project aims to assess the impact of our demining efforts in affected areas. Through this ongoing operation, I am gaining valuable experience in advanced technical skills and developing my understanding of the local context.
- Gained a strong understanding of how AI is developed and applied in business through hands-on experience. This experience has deepened my knowledge of key principles and techniques of machine learning, as well as my understanding of the ethical and social implications of AI. As a result, I am well-positioned to contribute to innovative and socially responsible companies that are at the forefront of leveraging AI for good.

## **Projects:**

- Fine-tuned an OpenAI language model utilising their API to answer commonly asked student questions at a language school, developing skills in NLP, data analysis, and ML.
- Creating a home voice assistant using OpenAI's language model and a Raspberry Pi, developing advanced skills in hardware engineering and software development while exploring the potential of AI and IoT technologies.
- Founded and captaining a successful basketball team at school, achieving multiple victories and developing leadership, communication, and teamwork skills.

## **Skills**

- Basic TensorFlow knowledge
- Up-to-date knowledge of AI
- OpenAI API usage
- Python
- Adobe Photoshop and Premiere Pro
- Fluent in Japanese and English