

Elliott Ashby

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EDUCATION

University of Southampton

Master of Physics

2021 — 2026

Southampton, UK

- Notable additional modules: Quantum Information, Advanced Lasers, Quantum Optics.
- Dissertation: Quantum Computation of Quantum Systems - Simulating particle scattering on quantum computers using the Schwinger model.

The Judd School

A levels

2019 — 2021

Tonbridge, UK

- Physics (A), Music (A), Maths (B), Economics (B)

WORK EXPERIENCE

Home Server Design and Deployment

Self Employed

April 2025 — July 2025

Sevenoaks, UK

- Procured and assembled hardware
- Configured and deployed Linux-based TrueNAS system with ZFS
- Used Docker for application deployment
- Data transfer and recovery testing

Intern, UK Tech Start-Up for Passenger Assistance Solutions

Transreport Japan K.K.

May 2024 — Sep 2024

Tokyo/Osaka, Japan

- Supported Japanese team for expansion of the Passenger Assistance Product to Japanese rail operators
- Industry Research on Japanese rail companies
- Translation (English / Japanese)
- Client engagement and Event Planning
- Strategy Consultation on requirements for the Japanese market
- Client Communication

Personal GCSE and A level Physics and Chemistry Tutor

Self Employed

2021 — Current

11+ Exam Tutor

Peasy Learning

2021

Sevenoaks, UK

- Contracted tutor for 11+ students aged 9 to 10

Database developer, analyst and admin

Perscitus LLP

2019 — Aug 2022

London, UK

- Analysis of requirements for tracking multi-million-pound medical research charitable grants
- Built with Azure SQL Database back-end and Access forms for data entry front-end
- On-going management, maintenance and refinement

Scout Leader

Scout Association

2017 — Current

Sevenoaks, UK

- Volunteer as a scout leader for young people aged 10 to 14.
- Received formal training in First Aid, Safeguarding and General Data Protection Regulations.

QUALIFICATIONS

Duke of Edinburgh's Award, The Duke of Edinburgh's Award

- Gold Award

Music Grades, ABRSM, Trinity

- Clarinet (8), Saxophone (8), Piano (6), Music Theory (5)

UK Driving Licence, DVLA

Disclosure and Barring Service, Home Office of the UK

- Enhanced Certificate

SKILLS

- Computing: Linux, Docker, NGINX, Python, Rust, SQL, Git, Bash, Excel, LaTeX/Typst
- Analysis: Data Science and Analysis, Statistics, Python: Pandas, Numpy, Scipy, Matplotlib
- Japanese: Fluent

HOBBIES & INTERESTS

- Technology: PC building, Programming, Linux
- Music: Clarinet, Saxophone, Piano, Bass
- Science: Quantum Mechanics, Quantum Computing

- Games: Tabletop Role-playing Games Play and Design

- Politics & Economics: Current Events, Economic Theory, Infrastructure