Elliott Ashby

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EDUCATION

University of Southampton — 2021 — 2026
Master of Physics — *Southampton, UK*
- Notable additional modules: Quantum Information, Advanced Lasers, Quantum Optics.
- Dissertation: Quantum Computation of Quantum Systems - Simulating particle scattering using Quantum Computation using models like the Schwinger model of QED.

The Judd School — 2019 — 2021
A levels — *Tonbridge, UK*
- Physics (A), Music (A), Maths (B), Economics (B)

WORK EXPERIENCE

Home Server Design and Deployment — April 2025 — July 2025
Self Employed — *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 — May 2024 — Sep 2024
Transreport Japan K.K. — *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 — 2021 — Current
Self Employed

11+ Exam Tutor — 2021
Peasy Learning — *Sevenoaks, UK*
- Contracted tutor for 11+ students aged 9 to 10

Database developer, analyst and admin — 2019 — Aug 2022
Perscitus LLP — *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 — 2017 — Current
Scout Association — *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

UK Driving Licence, DVLA

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

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