Robert Canevy
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Profile

Physics graduate (BSc Hons, University of Edinburgh, 2024) with strong laboratory, programming, and data analysis expertise. Experienced in experimental design, statistical analysis, and machine learning fundamentals. Proficient in Python, LaTeX, and high-performance computing. Seeking a role in data analysis, laboratory research, or STEM-based industries where I can apply both technical and problem-solving skills.

Technical Skills

- **Programming & Data**: Python (NumPy, Pandas, Matplotlib), LaTeX, Slurm job scheduling, data visualisation, automation scripting
- **Data Science**: Machine learning fundamentals (supervised/unsupervised, ensembles), statistical modelling, large dataset processing
- **Laboratory**: Spectrometry, handling of radioisotopes, safety protocols, experimental planning, instrumentation setup & calibration
- **Tools & Software**: Enzo simulation software, Git, Excel, Unity (basic game development)
- **Communication**: Technical report writing, collaborative research (local and remote), clear presentation of findings

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Education

BSc Physics with Honours – *University of Edinburgh* — 2024

- **Dissertation**: Analysed metal enrichment in dark matter mini halos using Enzo simulations; developed Python/Slurm scripts for large-scale data collection & pattern analysis (redshift, metallicity, generational trees).
- **Focus areas**: Spectrometry, astrophysics, condensed matter physics.
- **Key achievements**: Designed, planned, and executed computational experiments using supercomputers; integrated programming with theoretical analysis.

Early Education – *New College Lanarkshire* — 2017–2018

- Higher/National 6: Mathematics (A), Physics (A)
- National 5: Biology (A), Physics (A), Chemistry (A), Mathematics (A)

Projects

- **Gamma & X-Ray Spectrometry** – Conducted experiments using fluoresced radiation from radioisotopes, analysed energy spectra, and identified emission characteristics.
- **Machine Learning Exploration** – Completed online training in core ML techniques including supervised/unsupervised learning and ensemble methods.
- **PID Control Systems** – Designed proportional–integral–derivative control circuits with custom software for temperature control platforms and LED matrices.

Work Experience

Chef – Redford Barracks | Mar 2025 – Present

- Managed kitchen operations under strict time and safety protocols.
- Trained and supervised team members, optimising workflow for peak periods.

Chef – The Chanter | Jan 2024 – Mar 2025

- Coordinated meal preparation for high-volume service; maintained quality and consistency.

Chef – Shout! The Scottish Music Experience | Apr 2022 – Jul 2022

- Supported event catering, adapting quickly to changing requirements.

Chef – Wetherspoons | Jun 2021 – Sept 2021

- Operated within fast-paced environment, maintaining health & safety standards.

Interests

- **Music** – Pianist since age 14, with experience in private teaching.
- **Game Development** – Creating interactive projects using Unity engine.

References

Available on request.