**IT Infrastructure, Data & Security Professional**
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# Alasdair Macrae

## Profile

A highly analytical professional transitioning into IT (Cloud, Data and Security) combining a strong foundation in systems analysis, computer networking fundamentals, and data science. Currently completing a BSc in Data Science and Computing (resuming my final year in October 2026 via distance learning and evening classes). Also actively pursuing the Comptia Security+ alongside the AWS Solutions Architect Associate certification. My academic background in physical sciences from Durham University has given me a strong foundation in mathematical reasoning and problem-solving skills required to interpret technical risks and vulnerabilities.

Through extensive supervisory experience in fast-paced retail and wholesale environments, I have developed excellent communication skills, a disciplined work ethic, and practical experience in standardising operating procedures and quality assurance. Highly organised and client-focused, I am eager to bring my technical foundations and collaborative approach to penetration testing and security audits.

## Education

### Bsc Data Science and Computing, Birkbeck, University of London, London

10/2021—Present

Paused, resuming October 2026.

### Cert HE Physics, Durham University, Durham

10/2014—07/2016

### Access to Higher Education Diploma, Westminster Kingsway College, London

09/2013—07/2014

Graduated with distinction in many modules and merits in the rest. The subjects included Engineering, Maths, Physics and Chemistry. This was an A-level equivalent course that gave me access to university.

## Employment History

### Butcher at Pasture, The Ginger Pig, H G Walter, Meat London

2014—Present

**Description of my duties as a Butcher**

- Supervise the teams workflow in a fast-paced environment, mentor new colleagues and standardise procedures to ensure efficiency and consistency on a daily basis.

## Links

My LinkedIn
My GitHub
My personal website hosted on AWS

## Skills

**Technical:**
**Data Analysis**
**Statistical analysis**
**Systems analysis and design**
**Database design and management**
**Computer networking fundamentals**
**Object-oriented programming**
**Python**
**Java**
**SQL**
**Data analytics using R**
**Web programming using PHP**
**HTML + CSS**
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**Conceptual:**
**AWS Cloud Practitioner**
**Software engineering principles and methodologies**
**Software design and development lifecycle**
**E-business systems and applications**
**Cloud Concepts**
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**Soft Skills:**
**Communication with diverse audiences**
**Leadership & Team Management**
**Customer service**
**Complaint resolutions**

- Manage inventory systems through regular stock takes, using Excel for tracking and profit analysis.
- Build strong customer relationships through knowledgeable and friendly service, identifying customer needs, recommending appropriate products, and resolving issues efficiently.
- Perform full carcass breakdowns into primals and retail cuts with an artistic flair. Produce sausages and cure bacon, also make bespoke products for customers.
- Teach butchery courses, demonstrate techniques, and share knowledge while building relationships.
- Create attractive, well-organised product displays to maximise the visual appeal.

### Various Roles — New Zealand

2011–2014

Worked across vineyard, agriculture and construction roles during an extended period in New Zealand. Gained experience working in diverse, physically demanding environments alongside international teams, developing adaptability and a strong work ethic.

**Building customer relationships**

## Hobbies

Gaming
Bouldering
Travel
Calisthenics
Building PCs

## Languages

**English** ..... **Native speaker**
**Mandarin Chinese** ..... **A1**

## References

**References available upon request**