

# Calum Hall Curriculum Vitae

calumhall15@gmail.com • +44 7563 670261 • calumhall.net

## EDUCATION

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University of St Andrews location

2025

*BSc Computer Science 2:1*

*Relevant course work: Computer Security, Critical Systems Engineering, Networking, Databases, Systems Programming, Artificial Intelligence*

## PROFESSIONAL EXPERIENCE

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**Accenture**

Oct 2025 - Present

*Graduate Analyst*

- Analyst within Accenture's Oracle business group, where I contributed to critical database migration initiatives for a major UK banking client. My responsibilities included conducting comprehensive audit analysis of migration logs to ensure data integrity and compliance throughout the transition process. Additionally, I supported the commercial team by assisting with financial forecasting for the sales pipeline, helping to inform strategic business decisions and revenue projections.

**Lloyds Banking Group**

May – Sept 2024

*Cybersecurity Internship*

- Worked as an intern in the Threat Detection team gaining experience in identifying and responding to potential threats using tools such as Microsoft Sentinel and Splunk. Utilised Kusto Query Language to craft and maintain sophisticated detection rules that monitored network activity for signs of malicious behaviour. These detections were critical in generating actionable alerts, which were then escalated to the Cybersecurity Operations Centre.

## PROJECTS & EXTRACURRICULAR

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**Undergraduate Dissertation**

May 2025

- Automated system for extracting and analysing data from the television gameshow "The Chase"
- Computer vision techniques used to automatically gather structured data from episode footage. Extracted data structured into a comprehensive dataset containing 1561 contestants across 9 seasons obtained from analysing over 200GB of video footage
- Statistical analysis and machine learning are then applied to predict monetary offers made to contestants based on contestant performance and other extracted data. Various regression models implemented, including random forest, XGBoost and neural networks

## CERTIFICATIONS & SKILLS

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**Certifications:** Oracle Cloud Infrastructure Architect Associate, Oracle Cloud Infrastructure AI Foundations Associate

**Programming Languages:** Python, Java, JavaScript, SQL

**Frameworks & Technologies:** Flask, SQLite, Node.js, Git, Numpy, Pandas, Matplotlib, Scikit-learn, Jupyter Notebooks