Rafferty Simms

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[Phone Number available on request]

Education

- **Bachelor of Science (Hons) – Computer Systems (Cyber Security)** *(Sep 2021 – Jun 2025)*
  Nottingham Trent University
  Grade Predicted: **First-class** (85% average)
- **BTEC Level 3 National Extended Diploma – Computing and Cyber Security** *(Sep 2019 – Jun 2021)*
  Derby College
  Grade Achieved: **D*D*D** (Distinction*, Distinction*, Distinction)

Work Experience

- **Information Technology Placement** *(Aug 2023 – Present)*
  Mercedes AMG High Performance Powertrains

  I work in various capacities within the IT department, most notably ensuring operational continuity across the business, remediating security vulnerabilities, and developing systems to maintain resource availability.

Certifications

- ISC2: **Certified in Cyber Security (CC)** *(Jul 2023)*
- Microsoft: **Security, Compliance, and Identity Fundamentals** *(Jun 2023)*

Awards

- **Department of Computer Science Prize for Outstanding Performance** *(Sep 2023)*
  Awarded for "Outstanding Performance" in Year Two of BSc (Hons) Computer Systems (Cyber Security)
- **Ryland Consulting & Department of Computer Science Prize for Exceptional Performance** *(Sep 2022)*
  Awarded for "Best Progress" in Year One of BSc (Hons) Computer Systems (Cyber Security)
- **University Language Programme Certificate of Achievement** *(Jun 2023)*
  Awarded for achieving a Distinction grade in University Language Programme: Chinese (Mandarin) Stage 1

Technical Skills

- Programming using the Python, JavaScript, Java, and C++ languages; amongst others – with knowledge of the Software Development Life Cycle, Agile methodologies, and CI/CD processes.
- System Management in Windows and Linux-based environments. Including the use of Active Directory Domain Services, Azure, Docker, and Amazon Web Services (S3, IAM, and CloudFront).
- Integration and use of Database Technologies and Database Management Systems (Relational; MySQL, SQLite, Document-based; MongoDB).

Projects

- **File Sharing System**: A self-hostable file sharing system that accepts file upload requests and returns a shareable link pointing to the uploaded file, making use of the Open Graph Protocol to enable rich object support.
  Technologies: ***JavaScript (NodeJS), HTML****, Source:* ***https://github.com/fwiko/sharex-server***
- **Distributed Load-Balancer**: A load-balancing system created for my "Distributed Network Architectures and Operating Systems" university module – after an investigation into High Performance/Distributed Computing.
  Technologies: ***Java****, Source:* ***Available on request.***
- **Remote Keylogger**: A keylogger project created with a "server" application capable of accepting connections and handling data sent from multiple remote nodes simultaneously.
  Technologies: ***Python, Sockets****, Source:* ***https://github.com/fwiko/bind-keylogger***