

# Rafferty Simms

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[Phone Number available on request]

## Education

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- **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

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- **Information Technology Placement** (Aug 2023 – Present)  
Mercedes AMG High Performance Powertrains  
I work in various capacities within the I.T. department; ensuring operational continuity throughout the business, remediating security vulnerabilities, and developing systems to monitor and maintain resource availability.

## Certifications

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

## Awards

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- **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

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- 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

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- **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: [github.com/fwiko/sharex-server](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: [github.com/fwiko/bind-keylogger](https://github.com/fwiko/bind-keylogger)