Tara Patterson

Northern Ireland | tarapatterson01@gmail.com | https://www.linkedin.com/in/tara-patterson-a2098b195

SUMMARY

Motivated individual with a solid foundation in Development, Forensics, Information, Networks and Cyber Security. Eager to contribute to innovative projects and grow within a dynamic tech environment. A lover of learning with a passion for continuous growth and adaptation.

EDUCATION

University of Derby, UK   *September 2019 - September 2023*
Bachelor of Engineering (Concentration: Cyber Security and Digital Forensics with Industrial Placement)
1st class honours | 1:1

CodeFirstGirls, UK   *February 2024 - July 2024*
Nano degree (concentration: Full Stack Engineering)
Distinction | 95%

TECHNICAL WORK EXPERIENCE

Citi Bank, Belfast • *Analyst*   *June 2021 - June 2022*
- Designed and developed an internal web portal for UI/UX teams, streamlining resource management, maximising efficiency, and eliminating data loss through collaborative idea integration.
- Performed comprehensive software testing (black and white box) to identify and resolve errors, improving system reliability and ensuring high client satisfaction.

Krankikom, Duisburg • *Remote Internship*   *September 2023 - December 2023*
- Implemented web development solutions in collaboration with the graphical design team, ensuring concept feasibility and effective communication.
- Supported ISO27001 navigation, preparing and presenting benefits, outlining potential risks, and detailing achievement strategies for enhanced security standards.

PROJECTS   https://github.com/Tara2805

CTF: I personally participate in Capture the Flag security events with people around the world. Most recently I have cracked social engineering, Forensics, Cryptography, OSINT, Web and Reverse engineering puzzles to name a few.

Collie Meets Beagle: Created a React app for dog owners, utilising APIs, NoSQL (MongoDB), styled-components, and comprehensive testing to provide educational resources; incorporated HTML, CSS, and JavaScript for robust functionality.

Novel Navigators: Built a custom API for a book leasing program using Python, SQL, and database management; collaborated in a team environment to ensure efficient data handling and user interaction.

Security: Currently working towards my Security Certification (CompTia A+) by actively engaging in implementing port scanners, Password crackers and performing penetration testing. Additionally, I have my ISC2 certificate.

Drone Discovery: Tackled a challenge to uncover and decipher missing frames in security drone footage using Python and digital forensics, enhancing data recovery and analysis techniques.

SKILLS

Languages: Python (Flask), JavaScript (React), SQL, HTML/CSS
Networks: Incident Response, Planning, TCP/IP, HTTP/S, DNS, DHCP, Wireshark, Nmap, Netcat, VPNs
Cyber Security: Policy Development, Threat Mitigation, Encryption, Authentication, Analysis, Autopsy, GDPR, HIPAA
Operating Systems: Linux/Unix (Ubuntu), Windows (Windows Server), MacOS
Infrastructure Engineering: Technical Solutions, Customer-Focused Services, Resource Management, Industry Awareness, Cloud Platforms (AWS, Google), Docker
Applications: Microsoft Office Suite (Word, Excel, PowerPoint, Outlook etc), Google Workspace (Docs, Sheets, Slides etc), VMware, Oracle, JIRA, Confluence, Slack
Soft Skills: Resilience, Communication, Collaboration, Determination, Leadership, Critical thinking, Conflict Resolution, Project Management, Adaptability, Time Management