

My name

Perth, Scotland

Mobile Number:

Email Address:

Profile: Graduate ethical hacking and countermeasures master's student with professional experience as an IT engineer seeking a challenging position within computer security. Experienced problem solver with strong technical ability.

Skills:

Windows/Linux environments both server and desktop	Helpdesk and technical support experience
Knowledge of TCP/IP and basic Cisco networking with Wireshark, Scapy, port scanning and MiTM attacks	Penetration testing and vulnerability assessments using Nmap, Metasploit and password attacks
Scripting with Python and basic knowledge of C and x86	Report writing and documentation
Web application testing and knowledge of OWASP top 10 using Burp suite, Nikto, SQLmap and other tools	Building and supporting basic web applications using HTML5, Python (Flask), MySQL and JavaScript
Malware analysis and reverse engineering Windows x86 using IDA pro, debugging with x64dbg and Immunity	Communication both technical and non-technical

Experience: **Temp - Helpdesk Analyst – The Edrington Group** August 2012 – June 2013

- Using helpdesk software to create, assign and manage tickets and calls.
- Supporting bespoke distillery and warehouse applications, as well as business apps.
- Supporting a range of applications from SharePoint, SAP, SEP endpoint and web applications.
- Managing Tivoli and TSM backups, Backup exec, checking and troubleshooting daily backups.
- Working and coordinating as part of a large team with infrastructure and developers.
- Experience gained from working under pressure and to deadlines.

Contract - IT Engineer – Broxden Ltd

July 2011 – July 2012

- Introduced network monitoring tools to streamline support and proactively resolve issues.
- Responsible for 20+ clients supporting Windows network environments.
- Installing and supporting SBS servers and services (Active Directory and MS Exchange).
- Ensuring critical data is backed up and network fully documented.
- Networking configuration and support for TCP/IP, DNS, DHCP, routers and switches.
- Identifying, troubleshooting and resolving server issues.

IT Technician – Technology Answers

August 2010 – May 2011
Summer 2008

- On site placement supporting desktop and server issues, 1st, 2nd and 3rd line support
- Planning, installing and documenting desktop rollout.

Qualifications: **MSc Ethical Hacking and Countermeasures** September 2010 – May 2012

Completed and achieved a masters with distinction, project titled *an investigation into virtualization security*. The project involved investigating current security issues within virtualization such as escaping a VM. A methodology was then created to further security research into virtualization to find vulnerabilities within drivers that could allow possible escape from the guest to the host. This involved fuzzing VM guest drivers for vulnerabilities.

Qualifications: PGDip Ethical Hacking and Countermeasures

Postgraduate course focused on Windows infrastructure penetration testing and web application testing with the use of tools.

- Used information gathering techniques for DNS, SNMP, SMTP and netBIOS enumeration.
- Good understanding of TCP/IP, port scanning and Nmap, with the use of Wireshark.
- Knowledge of methodologies used in both web and infrastructure penetration testing.
- Performed pen testing on our Windows network lab, included vulnerability scanning and the use of password attacks (offline and online) as well as exploitation with metasploit.
- Documented pen tests and proposed countermeasures to issues found in both infrastructure and web apps, both technical and non technical.
- OWASP top 10 testing on vulnerable web apps such as hackme casino and Mutillidae.
- Manual malware analysis using sysinternal tools to carry out behaviour analysis and removal.
- Forensic computing involved investigating a mock case, documenting and creating a case report.
- War driving mini project using kismet and GPS to survey local area for open and WEP networks compared to WPA2 networks.

BSc (Hons) Computing and Networking, Class 2:2

Sept 08 - May 10

Honours project focused on password and biometric security, fingerprint scanners were also tested using fake fingerprints (gummy fingers) to gain unauthorised access.

- Built a small mobile site using XHTML, XML and web services.
- Network management included theory of firewalls, IDS, security and disaster recovery.
- Small programming project to build a chat program using Perl in Linux.
- Networking (TCP/IP and OSI models) and database theory.
- Small website project for buying and selling goods included user login, session management and a shopping cart. The main site used PHP and ColdFusion for the admin section as well as HTML, CSS and MSSQL for storing the data.
- Group project involved working with an external client to provide a CMS solution.

HND Computer Technical Support/ HNC Computing

Aug 05 - July 08

Awards:

The Armitstead Prize and British Computer Society Tayside award Abertay 2012

Interests:

Attended Securi-tay 2/3 and 4, Bsidess London 2013/14 conferences.

Big PC gamer, also enjoy the gym.

References:

Available on request.