Corey Forbes | Ethical Hacker

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Ethical Hacker completing the final year of degree.
Interested in security, with strong technical, and people skills for both working: in a team to successfully complete a project, and giving talks on security topic.

Education

Academic Qualifications

Abertay University (Ongoing)   **Dundee**
BSc (Hons) Ethical Hacking, Predicted First Class   *2015–2019*
Current GPA: 3.75

Lenzie Academy   **Glasgow**
3 Intermediates, 3 Highers, and Computing Advanced Higher   *2009–2015*

Notable Projects

4th Year – Honors Project(Ongoing): *'File carving application that utilises GPGPU architecture'*

I am working with a supervisor on an investigation into GPGPU accelerated file carving tools and the promise they bring. The intention is I will have a working program, written in C++, for part of my final hand-in that functions like the current version of the open source tool Foremost.

3rd Year – Group Project: *'Skeleton Key: Enumeration/Exploitation tool'*

Worked over two terms (7 Months) with a team of five to create an enumeration and exploitation device from a Raspberry Pi Zero W. Skeleton Key is able to run on any Operating system as it feigns low level device drivers to act as a: Keyboard, Mass storage device, or Network connection. The project required me to learn Python 3 and Raspberry Pi OS's. It was capable of doing both Enumeration and Exploitation. Our project is demostrated at Univeristy Open days. Grade: A+

3rd Year – Mini-Project: *'An Investigation into the Diffie-Hellman(-Merkle) Key Exchange'*

The Diffie-Hellman(-Merkle) key exchange protocol was examined to gain an understanding of how it is utilised. As part of this a practical version of it was created for demonstration purposes using Python Sockets. This was used to give a joint presentation on Asymmetric Cryptography for Abertay Hacksoc around it. Grade: A

2nd Year – Forensics "John Doe" Case:

Completed a forensics investigation into one John Doe who was suspected of hiding explicit content on their home computer. We were given a hard drive to investigate, without compromising the integrity of the evidence. For this I also learned a considerable amount of Linux basic usage Grade: B+

Technical and Personal skills

- **Programming Languages:** Capable in: C++, Python3, Bash, Batch, TeX, HTML, CSS
  Also basic ability with: Assembly, Arduino, C, Java, JavaScript, SQL, Cisco IOS, TrueBasic, Perl.
- **Industry Software Skills:** Debian (Kali, CentOS, Raspberry Pi & Ubuntu), Red Hat (Fedora 27), Most MS Office products including MS project and MS access (Advanced), SQL & SQLite Database management (phpMyAdmin, and Android).
- **General Business Skills:** Semi-frequent presenter, Works well in a team, Experienced in writing technical white-papers, Open Source Inteligence practice, Website Development.
- **Conferences:** BSides (London, Scotland), Securi-tay [5, 2017 & 2018], DC44141, Palo Alto Networks Academy day, Enusec Tour-De-Hack.
- **Volunteering Roles:** Teaching assistant at Grove Academy for the NPA Cyber Security course 2016, crew at Securi-Tay 2017 and 2018, Attendee and Speaker at Abertay Ethical Hacking Society, Treasurer of Abertay Space Agency 2016 and Secretary of Abertay Space Agency 2017, Crew and Speaker for the Abertay Open Day for the Ethical Hacking course.

Interests and extra-curricular activity

- In my spare time I regularly attend Hacksoc where I have participated in CTF events and given talks. I continue to give talks as the best way to learn is to teach. I have also volunteered for Hacksocs event Securi-tay for the last two years; both of which I worked as a part of the AV team.
- I like to learn, what some people consider useless, information that could be applied in my spare time. Currently doing my best to read through papers that are relevant to my Dissertation but otherwise I have spent a lot of time browsing sub-reddits like /r/netsec & /r/netsecstudents, BBC News and monitoring Slack work-spaces that keep me up do date.

Previous Employment

- **Cosmetic Gardening and Construction**   **Glasgow**
  Site Operative   *Summers, 2013–2017*
  I was tasked with labour duties and responsible for the tidiness of the sites. I worked in a safety-oriented manner, often working alongside construction machinery. I was quick to pick up required skills on site even when working with equipment. By the end of my work with Mescho Dunko (Owner) I was praised on my growth form the start to the end, especially on my work ethic.

References

- **Mescho Dunko**   **Glasgow**
  Previous Employer, Cosmetic Gardening   *+44 7961 851 486*
- **Ethan Bayne**   **Dundee**
  Lecturer and Skeleton Key Supervisor, Abertay Univesity   *e.bayne@abertay.ac.uk*
- **Natalie Coull**   **Dundee**
  Lecturer, Open Day and Grove Academy Supervisor, Abertay Univesity   *N.Coull@abertay.ac.uk*
- Further References on any section of this CV can be sourced upon request