

ANTHONY VEREZ

Security Engineer
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WORK EXPERIENCE

Security Engineer **Google, Zurich** Oct 2014 – Present
Intrusion detection for corp, cloud, production, acquisitions environment. Linux, OSX, Windows platforms. Development of automation tools in python and golang. Work in a distributed 24x7 environment.

Operations Security Intern **Mozilla, California** Mar – Aug 2014
Helped build MozDef, a next-generation SIEM system using Elasticsearch, RabbitMQ, python and meteor (javascript framework). It aims at making a fast and scalable SIEM, easily extendable and also used for real-time incident response. Contributed to security incident response, including Heartbleed. Participated in the Network Security Monitoring project (cluster using Security Onion, Bro, Suricata, ELSA). Led workshops and presentations about development.

Research contractor **Télécom SudParis** Sept 2013 – Feb 2014
Research project in collaboration with Orange Labs to find malware clusters using URLs extracted from network-based malware traces thanks to data mining techniques.
Created a platform to run experiments.
Implemented data mining algorithms and refined models used.
Drafted a research paper.

Operations Security Intern **Mozilla, California** Jul – Sept 2013
Within the team responsible for system and network security, designed and developed a solution, Banhammer-ng, to block attackers or redirect them to a captcha page using load balancers API. Participated in the Brozilla project to deploy and leverage Bro (NIDS) in Mozilla datacenters and offices. Wrote scripts and rules to add features.
Involved in incident response.
Official Mozilla presentation: air.mozilla.org/intern-presentation-verez
Code on github.com/mozilla

Computer Security Intern **Cassidian CyberSecurity (Airbus)** Jun – Aug 2012
Cassidian CyberSecurity, an Airbus company, is a major provider of secure data handling and cybersecurity.
Learned the USB norm, developed a USB plugin for Scapy, a tool to forge network packets, and used it to communicate with smartphones.

EDUCATION

Télécom SudParis 2011 – September 2014
Information Security student
Télécom SudParis top engineering school (formerly Institut National des Télécommunications)
Évry, France
Final year towards a Master's degree specialising in Information Security

SKILLS

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| Computer Security | SIEM (Elasticsearch/ELK, Splunk), Intrusion Detection, Network Security, IDS (Bro, Suricata, Snort), Incident Response, Security data analysis, SSL/TLS, Honey pots/Honeynets, Web (OWASP), Vulnerability Management |
| System Programming | Python, Go, Ruby, C, C++, Bash |
| Web Programming | Ruby on Rails, Javascript (node, angular), Django, PHP, CodeIgniter, Phoenix framework, HTML5/CSS3 |
| OS | GNU/Linux (Debian, Arch, Ubuntu, RHEL), MacOS X, Microsoft Windows |
| Networking | Configuration of Cisco switches and routers, IPv6, Wireshark/tcpdump, SSH, Load Balancers, Apache, Nginx, DHCP, Radius, DNS, Syslog, Squid, etc. |
| System Administration | Virtualization/Containers (Xen, OpenVZ, Docker and KVM), Puppet, Elasticsearch |
| Other | SQL, Git, Mercurial, Subversion, L ^A T _E X, data mining and machine learning, matlab |

LANGUAGES

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| French | Mother tongue |
| English | Fluent (C1 European level, TOEIC 945/990, Working in English for international companies since 2014) |
| Spanish | Advanced (B2 European level) |

RELATED EXPERIENCE

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| President 2012 – 2013, System & Network Administrator Internet Provider (700 subscribers) Speaker Managed team of 15+ people Project management Leader of IPv6 deployment used in production (with RA/DHCP, RADIUS, Proxy, IDS, Firewall, DNS, Multicast, Mail, Web, . . .), Awarded Best Student Project of the Year Configuration of Cisco switches & routers Administration of networking services like DHCP, RADIUS, DNS, Proxy, . . . Proxmox cluster, virtualization (Xen, OpenVZ, KVM) | MiNET student association | 2011 – 2014 |
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PERSONAL PROJECTS

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| Development of a SSH Honey pot & deployment in a virtualized architecture | 2012 |
| Development in C, use of Xen virtualization, logs with syslog-ng, iptables/netfilter firewall | |

HOBBIES AND INTERESTS

Sport
Travels
Open Source

Tennis (6 years practice)

REFERENCES

Available upon request