

Harrison Sand

SENIOR SECURITY CONSULTANT

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Experience

mnemonic AS

SENIOR SECURITY CONSULTANT

Harrison is part of the technical risk services team at mnemonic. He has worked closely with web application security, penetration testing, embedded devices, IoT, mobile security, incident response, vulnerability management and security architecture.

Oslo, Norway

Aug. 2015 - Present

Staples Norway AS

SECURITY ANALYST

Harrison worked as a security analyst for Staples Norway, and was responsible for managing a global vulnerability management program.

Oslo, Norway

Oct. 2014 - Jul. 2015

Education

University of Maryland Global Campus

BACHELOR OF SCIENCE, COMPUTER NETWORKS AND SECURITY

Maryland, USA

Winter 2012 - Summer 2014

Community College of Baltimore County

Maryland, USA

2010 - 2012

Certifications & Licenses

CERTIFICATIONS

- 2019 **Certified Penetration Tester (GPEN)** GIAC License 14000
- 2017 **Mobile Device Security Analyst (GMOB)** GIAC License 943
- 2016 **Web Application Penetration Tester (GWAPT)** GIAC License 5351

LICENSES

- 2016 **Amateur Radio License** Norwegian Communications Authority, LB4VH
- 2016 **Amateur Radio License** Federal Communications Commission, W7OCX

Courses & Conferences

COURSES

- 2019 **SEC642: Advanced Web App Penetration Testing, Ethical Hacking, and Exploitation Techniques** SANS *SANSFIRE DC*
- 2018 **Software Exploitation via Hardware Exploitation** Xipiter *Blackhat USA*
- 2017 **SEC575: Mobile Device Security and Ethical Hacking** SANS *SANSFIRE DC*
- 2016 **Advanced Infrastructure Hacking** NotSoSecure *Blackhat USA*
- 2015 **SEC542: Web App Penetration Testing and Ethical Hacking** SANS *SANS Gulf Region*
- 2014 **Qualys Vulnerability Management Training** Qualys Inc. *Amsterdam, NL*

CONFERENCES

- 2019 **SANSFIRE** *Washington, D.C.*
- 2018 **Black Hat USA** *Las Vegas, Nevada*
- 2018 **DEF CON 26** *Las Vegas, Nevada*
- 2017 **SANSFIRE** *Washington, D.C.*
- 2016 **Black Hat USA** *Las Vegas, Nevada*
- 2016 **DEF CON 24** *Las Vegas, Nevada*

Publications

Security Assessment Report, GPS Watches for Children

forbrukerradet.no

LEAD INVESTIGATOR

Oct. 2017

A technical security assessment of four smart GPS watches for children, released in collaboration with the Norwegian Consumer Council
<https://fil.forbrukerradet.no/wp-content/uploads/2018/03/watchout-rapport-october-2017.pdf> (begins page 24)

Extracurricular Activity

Norwegian University of Science and Technology

Trondheim, Norway

GUEST LECTURER, SOFTWARE SECURITY (TDT4237)

Feb. 2020

- Introduced concepts for web application security testing

University of Oslo

Oslo, Norway

GUEST LECTURER, ETHICAL HACKING (IN5290)

Nov. 2018

- Held a lecture on web application security testing based on the OWASP Top 10 list and ASVS standard

OWASP Norway

Oslo, Norway

PRESENTATION, #WATCHOUT - SERIOUS VULNERABILITIES IN SMART WATCHES FOR CHILDREN

Mar. 2018

- Presented findings from the #WatchOut project to the Norwegian OWASP chapter

Staples Inc.

Broomfield, Colorado, USA

INFORMATION SECURITY INTERNSHIP

Summer 2014

- Led a proof-of-concept project for a web application firewall implementation

InterContinental Hotels Group (IHG)

Alpharetta, Georgia, USA

INFORMATION SECURITY INTERNSHIP

May 2012 - Aug. 2012

- Helped conduct network traffic analysis, and built custom IDS signatures
- Worked along side a malware analysis team

Awards

2019 **1st place, SEC642 CTF** SANSFIRE

Washington, D.C.

2017 **1st place, SEC575 CTF** SANSFIRE

Washington, D.C.

2017 **1st place, Core NetWars Tournament (teams)** SANSFIRE

Washington, D.C.