



EMPLOYMENT

Security Service Senior Consultant Dec 2020 - Present

Synopsys, Inc. – Bloomington, IN, US

- Performed security assessments with automatic and manual analysis For Web Application and Network.
- Performed Source Code Analysis.

Security Service Consultant Dec 2016 – Nov 2020

Synopsys, Inc. – Bloomington, IN, US

- Performed security assessments with automatic and manual analysis, including web applications.
- Managed Automation team and developed security tools to support daily activities.

Security Consultant Oct 2015 – Nov 2016

Cigital Inc. - Bloomington, IN, US

- Performed security assessments with automatic and manual analysis, including web applications.
- Developed security tools to support daily activities.

Online Facilitator May 2016 – June 2016

Boston University – Boston, MA, US

- Assisted MET CS 694 students during the course.
- Graded MET CS 694 Assignments and Labs.

Teaching Assistant (Part-time) Jun 2015 – Aug 2015

Boston University – Boston, MA, US

- Assisted in designing labs for Mobile Device Forensics course, including Android and Apple IOS.
- Graded Mobile Forensics students' Labs.
- Drafted courses' labs evaluation for security labs at BU MET College.
- Recorded tutorials and labs for Mobile Forensics course.

Graduate Assistant Sept 2013 – May 2015

Boston University – Boston, MA, US

- Assisted in designing labs for Mobile Device Forensics course for summer 2015.
- Researched correlation between Android application descriptions and security metrics to determine malware with Natural Language library using unsupervised and supervised learning techniques (clustering and classification) with MySQL.
- Developed "*Androweb*", a web-based security analysis tool for Android Applications with Python, MySQL, Git and bootstrap.
- Developed web for Mobile Security Research Lab.

EDUCATION

Boston, MA

Boston University

May 2015

- M.S. in Computer Science with Security concentration. GPA: 3.55 out of 4.
- Graduate courses: Enterprise Information Security, Digital Forensic and Investigation, Network Forensic, Cryptography, Database security, Network Security and IT Security Policies and Procedures.

- Bachelor of Informatics Engineering. GPA: 3.37 out of 4.

CONFERENCE / SEMINAR / PROJECTS

- A Closer look on C&C Panels (5th Annual BU RISCs Seminar of Practical Security, Aug 2015).
Link: <http://algorithmics.bu.edu/twiki/bin/view/SOS>
- *CryptoWall for Malware Analysis for Network Security* class term project (Apr 2015).
Link: <http://www.slideshare.net/tandhy/simanjuntaktandhymalwareanalysis-47700016>
- Research paper on “*NuoDB: an Overview of the Security Features*” for Database Security class completion (Apr 2015).
- *NIST Cyber Security Framework* project (Apr 2015).
Link: <http://www.slideshare.net/tandhy/simanjuntaktandhynistcybersecurityframework-v3>
- *Web-based Security Analysis tool for Android Applications* (Boston University 2015 Graduate Research Symposium and Advanced Cyber Security Center Conference – student poster session, Nov 2014).
Link: <http://www.slideshare.net/tandhy/webbased-security-analysis-tool-for-android-applications>
Link: <http://met-mobile.bu.edu/androweb>
- *Securing the Healthcare Industry* (4th Annual BU RISCs Seminar of Practical Security, Aug 2014).
Link: <http://www.slideshare.net/tandhy/securing-the-healthcare-industry>
- *Backup process automation for KAWAL PEMILU, a voluntarily based group for Indonesian Presidential Election* (Jul 2014).
Link: <https://github.com/tandhy/pilpres2014>
- *Permission on Android Security: Threats and Solutions, a survey paper* project (Apr 2014).
Link: <http://www.slideshare.net/tandhy/threats-and-solution-v2>
- *Cryptography Final Project on implementation of Diffie-Hellman Key Exchange and RSA encryption algorithm* (Dec 2013).
Link: https://github.com/tandhy/CS789_F13
- *Mobile Security Research Lab website* (Dec 2013).
Link: <http://met-mobile.bu.edu>
- *Project Lifecycle Management (PLM)* – Software Engineering class (Dec 2013).
Link: <https://github.com/tandhy/PLM>

AWARD / CERTIFICATE / MEMBER

- 2015 Graduate Research Symposium at Boston University for MET Award for Applied Science.
- Scholarship from Indonesia Endowment Fund for Education (LPDP) for Master degree (2013-2015).
- GIAC Security Essential (GSEC) #37210, July 2015 – July 2023.
- CCNA #764781169, April 2012 – April 2015.
- NAISG Boston, Boston Security Meetup.

LANGUAGE / TECHNOLOGIES

- Python, PHP, JavaScript, Java, HTML, SQL (Oracle and MySQL).
- Networking, Wireshark, TCPDump, IPTables.
- Fortify, Coverity, IBM AppScan, BurpSuite Pro, Kali Linux, ZA Proxy, EnCase Forensic, Cellebrite UFED 4PC, AccessData MPE+, The Sleuth Kit, Autopsy, Scalpel, ProDiscover Basic, AccessData FTK.
- Git, Hex Editor, Maltego, REMnux, Logs, Oracle, MySQL, Bootstrap.
- NIST Standards, PCI to protect Data at Rest, Data in Transit and Data in Use.