Enrico Budianto

CONTACT INFORMATION

COM2-B-02
School of Computing
National University of Singapore *E-mail:* enricob@comp.nus.edu.sg
13 Computing Drive, 117417 *Web:* www.comp.nus.edu.sg/∼enricob

RESEARCH INTERESTS

Web security, systems security, trusted computing, program analysis

EDUCATION

National University of Singapore, Singapore (**2012 - current**)

Ph.D. Candidate, Computer Science (expected graduation date: August 2017)
- Advisor: **Prateek Saxena**

University of Indonesia, Jakarta, Indonesia (**2007 - 2011**)

B.S., Computer Science, September 2011
- GPA: 3.93 / 4.0 (ranked 2 out of 2641)
- Thesis Advisor: **Wisnu Jatmiko**

ACADEMIC EXPERIENCE

National University of Singapore, Singapore

Teaching Assistant **January - April, 2014**
Duties included fielding of all student inquiries, designing and grading homework assignments.
- CS5331 Web Security, Spring 2014.

University of Indonesia, Indonesia

Undergraduate Research Assistant **May, 2009 - December, 2010**
Developed a traffic simulator system based on JAVA. This was part of a research project named *Self-Organizing Urban Traffic Control Architecture*.

Teaching Assistant **May, 2008 - August, 2010**
Duties included fielding of all student inquiries, leading weekly class tutorials, shared responsibility for homework assignments and grades.
- IKI10830 Object Oriented Design and Programming, Spring 2010.
- IKI204201 Database I, Fall 2009.
- IKI20081 Calculus, Spring 2009.
- IKO12500 Introduction to Digital Systems, Fall 2008.

PUBLICATIONS

I. Parameshwaran, E. Budianto, S. Shinde, H. Dang, A. Sadhu, and P. Saxena. Auto-Patching DOM-based XSS At Scale (to appear). ESEC / ACM SIGSOFT Symposium on the *Foundations of Software Engineering* (**FSE**). Aug 2015.

E. Budianto, Y. Jia, X. Dong, P. Saxena, and Z. Liang. You Can't Be Me: Enabling Trusted Paths & User Sub-Origins in Web Browsers. International Symposium on Research in Attacks, Intrusions and Defenses (**RAID**). Sep 2014.

E. Budianto, A. Hafidh, M.S. Alvissalim, and A. Wibowo. Adaptive Cluster Based Routing Protocol with Any Colony Optimization for Mobile Ad-hoc Network in Disaster Area. Journal of Computer Science and Information (**JIKI**). Volume 5 Issue 2. June 2012.

E. Budianto, M.S. Alvissalim, A. Hafidh, A. Wibowo, W. Jatmiko, B. Hardian, P. Mursanto, and A.

Muis. Telecommunication Networks Coverage Area Expansion in Disaster Area using Autonomous Mobile Robots: Hardware and Software Implementation. IEEE International Conference on Advanced Computer Science and Information Systems (**ICACSIS**). Dec 2011. (**Best Paper Award**)

E. Budianto, A. Hafidh, F. Al Afif, A. Wibowo, W. Jatmiko, B. Hardian, P. Mursanto, and A. Muis. Autonomous telecommunication networks coverage area expansion in disaster area using mobile robots. IEEE International Symposium on Micro-NanoMechatronics and Human Science (**MHS**). Nov 2011.

CONFERENCE PRESENTATIONS	E. Budianto, Y. Jia, X. Dong, P. Saxena, and Z. Liang. 2014. You Can't Be Me: Enabling Trusted Paths & User Sub-Origins in Web Browsers. International Symposium on Research in Attacks, Intrusions and Defenses (**RAID**). Sep 2014.

http://youtu.be/6TTfC9aoHKo

AWARDS AND FELLOWSHIP

NUS Graduate Research Fellowship, 2012 - 2016

University of Indonesia: Graduated *cum laude*, Honors in Computer Science, 2011

Microsoft Student Partner, 2010 - 2011

ACM-ICPC Asia Regional Contest: Honorable mention, 2009

ACM-ICPC Asia Regional Contest: Honorable mention, 2008

University of Indonesia: Second Best Graduate, 2011

Indonesian National Scholarship, 2008-2011

PROFESSIONAL EXPERIENCE

Accenture Indonesia, Jakarta – Indonesia

Technology Analyst   **August, 2011 - May, 2012**
Carried out several consulting projects, including designing and implementing a logistic management system using SAP Materials Management for the biggest state-owned electricity company in Indonesia

Altrovis Tekno Global, Jakarta – Indonesia

Web/Software Developer Intern   **July, 2011 - August, 2011**
Developed a web backend system using ASP.NET and Microsoft SQL Server for several government institutions.

SOFTWARE PROFICIENCY

- Programming Language: JavaScript, JAVA, C/C++, Python.
- Web Platform: NodeJS, PHP, ASP.NET.
- Web Framework: Bootstrap, CodeIgniter, Laravel, Django, .NET.
- Database: MySQL, MongoDB, SQL Server.

REFERENCES

Dr. Prateek Saxena (Advisor)
Assistant Professor
School of Computing
National University of Singapore
✉ prateeks@comp.nus.edu.sg

Dr. Eng. Wisnu Jatmiko (Former Advisor)
Lecturer
Faculty of Computer Science
University of Indonesia
✉ wisnuj@cs.ui.ac.id