Mr. Eddie Lau

CONTACT INFORMATION

E-MAIL:	tatonlto@gmail.com
WEBSITE:	http://3dd13.me
GITHUB:	http://github.com/3dd13

EDUCATION

2007 – 2009 **M.Sc. Information Security and Computer Crime**, University of Glamorgan
2001 – 2004 **Major in Computer Science and Information Engineering** (Networking Stream), Hong Kong University of Science and Technology

WORK EXPERIENCES & ACHIEVEMENTS

Mar 2010 - now **Software Developer** of ThoughtSource Ltd.
- Designing and implementing financial system written in RubyOnRails
- Following agile development practices to develop fast-to-market quality products
- Providing security advices on application and server architecture design

May 2008 - Mar 2010 **Software Engineer**, International Team of Octopus Cards Ltd., HK
- Architecture design and backend system implementation of SOA project
- Introducing agile practices into the software development process
- Security Awareness Training and Penetration Testing
- Portlet, WebLogic Portal; Struts, Spring; Oracle; Synapse, WS-Security; Maven, Hudson

April 2007 - May 2008 **Software Engineer** of Net Dimensions Holding Ltd., HK
- Developing eLearning web application
- Following agile programming practices to make sure the product meets user's need
- Java, Servlet with Tomcat; MySQL, MSSQL, Oracle and Sybase; Ant

June 2006 - April 2007 **Senior Software Engineer** of Baxter HealthCare SA., Singapore
- Managing EMC Documentum Content Server, customizing Webtop and workflow.
- Designing, developing and maintaining portlet, web application
- Communicating with software vendors and providing user training
- J2EE, Portlet, Websphere Portal Server; Struts; MSSQL and Oracle

March 2006 - May 2006 **Contract Analyst Programmer** of Cheung Kong Holdings Ltd., HK
- Integrating and performance tuning of Java Client/ Server hotel management system
- Conducting penetration test on the system and enhancing the security
- Java Client/Server; StyleReport and MSSQL Reporting; MSSQL database

Nov 2005 - Feb 2006 **Programmer** of GTI Ltd., HK
- Developing EMC Documentum WDK for Banks
- Implementing PDF document searcher and reporting tools
- JSP, Servlet with Tomcat; Acrobat Toolkits with Jboss

Aug 2005 - Oct 2005 **Contract Software Engineer** of South China Morning Post, HK
- Managing and enhancing Circulation Application
- JSP, Servlet, EJB with Oc4j; Oracle database

Jun 2004 - Jul 2005 **Programmer** and **Project Manager** of Access iVisions Ltd., HK
- Allocating job and offering Java training for junior staffs
- Designing, implementing and managing Accounting and Sales System
- Java Client/Server with RMI; iReport; MySQL database

OTHER PROJECTS

Jan 2011   Green Hong Kong website: http://greenhk.heroku.com
- Developing a open source Rails application presenting Recycling Facilities in Hong Kong
- Google Map, Geocoder and MongoDB

Oct 2010   Rails Rumble 2010: http://newsprank.com
- Developing a prank web application with other Hong Kong Rubyists with Rails and MongoDB

Aug 2010   We Love HK enhancement: http://www.welovehk.org
- Enhancing administration features and revamping reading scheme module

Mar 2010   Code Audit, Hong Kong Jockey Club
- Conducting manual and automated code audit of the betting system

Jan 2010   Stock Price Trend Analysis System, RU05
- Designing and Implementing the analysis system with Scala and MongoDB

Sep 2009   hi4.com.hk, Hi Four Company
- Reselling a social gadget Poken for Hong Kong region and developing the online store

Aug 2009   VoIP Linux Box
- Implementing HTTP Streaming interfaces talking to H.264 TS Server in SIP
- Linux Clustering

Jun 2009   Penetration Testing, Hong Kong Jockey Club
- Pen Test Planning and Execution
- Assessing the network and web application security

May 2009   Committee member, OWASP Hong Kong Chapter
- Administration and knowledge sharing within the group
- Spoke in 10th Info-Security Conference 2009 on Reverse Engineering

Mar 2009   Card Fraud AI Management System, Msc Project
- Designing and implementing User Friendly Expert System

Mar 2004   Robocup AI Client, BEng Project
- Building self-learning soccer players

CERTIFICATIONS

Feb 2008   CIW Designer (CIW)
Jan 2008   CIW Security Analyst (CIW)
Nov 2007   Sun Certified Enterprise Architect (Sun Microsystems)
Apr 2007   Sun Certified Developer for Java Web Services (Sun Microsystems)
Mar 2007   Sun Certified System Administrator for the Solaris 8 OS (Sun Microsystems)
            Sun Certified Business Component Developer for J2EE (Sun Microsystems)
Feb 2007   Cisco Certified Network Associate (Cisco)
Dec 2006   Certified Ethical Hacker (EC-Council)
Nov 2006   Certified Hacking Forensics Investigator (EC-Council)
Apr 2006   Oracle 10g Certified Associate (Oracle)
            Sun Certified Web Component Developer for J2EE (Sun Microsystems)
Mar 2006   Sun Certified Java Programmer (Sun Microsystems)

SKILLS & RESEARCH INTERESTS
- Proficient in Java, Scala and RubyOnRails
- Interested in CTF, Penetration Testing, Software Exploitation and Reverse Engineering
- Research interests are Web Application Security, SOA Security, Penetration Testing Tools Development, Malware Analysis and Reverse Engineering