

# Claud D. Park

SOFTWARE ENGINEER · SECURITY EXPERT

246-1002, Gwangmyeongmayrouge Apt. 86, Cheongna lime-ro, Seo-gu, Incheon-si, 404-180, Rep. of KOREA

☎ (+82) 10-9030-1843 | ✉ posquit0.bj@gmail.com | 🏠 www.posquit0.com | 📱 posquit0 | 🌐 posquit0

“Must be the change that you want to see in the world.”

## Education

### B.S. in Computer Science and Engineering

Mar. 2010 - PRESENT

POSTECH(POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY), Pohang, S.Korea

- Got a Chun Shin-II Scholarship which is given to promising students in CSE Dept.

## Skills

**Programming** Python, C/C++, Scala, JAVA, Node.JS, OCaml, LaTeX  
**Web** Django with Python, Express with Node.JS, HTML5, LESS  
**Languages** Korean, English, Japanese, Chinese

## Experience

### Software Engineer & Security Researcher (Compulsory Military Service)

Aug. 2014 - Exp. Apr. 2016

R.O.K CYBER COMMAND, MND, Seoul, S.Korea

- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.
- Improved functionality on military command and control system for incident response with Java Servlet.
- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.

### Game Developer Intern at Global Internship Program

Jan. 2013 - Feb. 2013

NEXON, Seoul, S.Korea & LA, U.S.A

- Developed in Cocos2d-x an action puzzle game(Dragon Buster) targeting U.S. market. Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic, designed game graphics.
- Won the 2nd prize in final evaluation.

### Researcher for <Detecting video's torrents using image similarity algorithms>

Sep. 2012 - Feb. 2013

UNDERGRADUATE RESEARCH, COMPUTER VISION LAB(PROF. BOHYUNG HAN), Pohang, S.Korea

- Researched means of retrieving a corresponding video based on image contents using image similarity algorithm.
- Implemented prototype that users can obtain torrent magnet links of corresponding video relevant to an image on web site.

### Software Engineer Trainee

Jul. 2012 - Jun. 2013

SOFTWARE MAESTRO (FUNDED BY KOREA MINISTRY OF KNOWLEDGE AND ECONOMY), Seoul, S.Korea

- Performed research memory management strategies of OS and implemented in Python an interactive simulator for Linux kernel memory management.

### Software Engineer

Dec. 2011 - Feb. 2012

SHITONE CORP. (START-UP COMPANY), Seoul, S.Korea

- Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

### Freelance Penetration Tester

Sep. 2013, Mar. 2011 - Oct. 2011

SAMSUNG ELECTRONICS, S.Korea

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

## Extracurricular Activity

## Core Member

Nov. 2011 - PRESENT

B10S (BIT ON THE SECURITY, UNDERGROUND HACKER TEAM), *S.Korea*

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

## Member

Jun. 2012 - PRESENT

WISEGUYS (HACKING & SECURITY RESEARCH GROUP), *S.Korea*

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

## Core Member & President at 2013

Jun. 2010 - PRESENT

POAPPER (DEVELOPERS' NETWORK OF POSTECH), *Pohang, S.Korea*

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

## Member

Sep. 2010 - Oct. 2011

PLUS (LABORATORY FOR UNIX SECURITY IN POSTECH), *Pohang, S.Korea*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

## Member

Sep. 2013 - PRESENT

MSSA (MANAGEMENT STRATEGY CLUB OF POSTECH), *Pohang, S.Korea*

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

# Honors & Awards

## INTERNATIONAL

2014	<b>Finalist</b> , DEFCON 22nd CTF Hacking Competition World Final	<i>Las Vegas, U.S.A</i>
2013	<b>Finalist</b> , DEFCON 21st CTF Hacking Competition World Final	<i>Las Vegas, U.S.A</i>
2011	<b>Finalist</b> , DEFCON 19th CTF Hacking Competition World Final	<i>Las Vegas, U.S.A</i>
2012	<b>6th Place</b> , SECUINSIDE Hacking Competition World Final	<i>Seoul, S.Korea</i>

## DOMESTIC

2015	<b>3rd Place</b> , WITHCON Hacking Competition Final	<i>Seoul, S.Korea</i>
2013	<b>Silver Prize</b> , KISA HDCON Hacking Competition Final	<i>Seoul, S.Korea</i>
2013	<b>2nd Award</b> , HUST Hacking Festival	<i>S.Korea</i>
2010	<b>3rd Award</b> , HUST Hacking Festival	<i>S.Korea</i>
2012	<b>3rd Award</b> , Holyshield 3rd Hacking Festival	<i>S.Korea</i>
2011	<b>2nd Award</b> , Holyshield 3rd Hacking Festival	<i>S.Korea</i>
2011	<b>5th Place</b> , PADOCON Hacking Competition Final	<i>Seoul, S.Korea</i>

# Presentation

## Presenter for <DEFCON 20th : The way to go to Las Vegas>

Jul. 2012

6TH CODEENGN (REVERSE ENGINEERING CONFERENCE), *Seoul, S.Korea*

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Presenter for <Metasploit 101>

Sep. 2012

6TH HACKING CAMP - S.KOREA, *S.Korea*

- Introduced basic procedure for penetration testing and how to use Metasploit

# Writing

## Founder & Writer

Jan. 2015 - PRESENT

A GUIDE FOR DEVELOPERS IN START-UP, *Facebook Page*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

## Undergraduate Student Reporter

Oct. 2012 - Jul. 2013

AHNLAB, S.Korea

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

## Program Committees

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2013 **Organizer & Co-director**, 1st POSTECH Hackathon

S.Korea

2012 **Staff**, 7th Hacking Camp

S.Korea

2012 **Problem Writer**, 1st Hoseo University Teenager Hacking Competition

S.Korea

2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

S.Korea