Claud D. Park

SOFTWARE ENGINEER · SECURITY EXPERT

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"Be the change that you want to see in the world."

Education

B.S. in Computer Science and Engineering   *Pohang, S.Korea*

POSTECH(POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY)   *Mar. 2010 - Exp. Aug. 2017*

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

Skills

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

Experience

Co-founder & Software Engineer   *Seoul, S.Korea*

PLAT CORP.   *Jan. 2016 - PRESENT*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

Researcher   *Pohang, S.Korea*

UNDERGRADUATE RESEARCH, MACHINE LEARNING LAB(PROF. SEUNGJIN CHOI)   *Mar. 2016 - Exp. Jun. 2017*

- Researched classfication algorithms(SVM, CNN) to improve accuracy of human exercise recognition with wearable device.
- Developed two TIZEN applications to collect sample data set and to recognize user exercise on SAMSUNG Gear S.

Software Engineer & Security Researcher (Compulsory Military Service)   *Seoul, S.Korea*

R.O.K CYBER COMMAND, MND   *Aug. 2014 - Apr. 2016*

- 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.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

Game Developer Intern at Global Internship Program   *Seoul, S.Korea & LA, U.S.A*

NEXON   *Jan. 2013 - Feb. 2013*

- 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 and designed game graphics.
- Won the 2nd prize in final evaluation.

Researcher for <Detecting video's torrents using image similarity algorithms>   *Pohang, S.Korea*

UNDERGRADUATE RESEARCH, COMPUTER VISION LAB(PROF. BOHYUNG HAN)   *Sep. 2012 - Feb. 2013*

- 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   *Seoul, S.Korea*

SOFTWARE MAESTRO (FUNDED BY KOREA MINISTRY OF KNOWLEDGE AND ECONOMY)   *Jul. 2012 - Jun. 2013*

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

Software Engineer   *Seoul, S.Korea*

SHITONE CORP. (START-UP COMPANY)   *Dec. 2011 - Feb. 2012*

- 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   *S.Korea*

SAMSUNG ELECTRONICS   *Sep. 2013, Mar. 2011 - Oct. 2011*
- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

Extracurricular Activity

Core Member   *S.Korea*

B10S (B1T ON THE SECURITY, UNDERGROUND HACKER TEAM)   *Nov. 2011 - PRESENT*
- 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   *S.Korea*

WiseGuys (HACKING & SECURITY RESEARCH GROUP)   *Jun. 2012 - PRESENT*
- 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   *Pohang, S.Korea*

PoApper (DEVELOPERS' NETWORK OF POSTECH)   *Jun. 2010 - PRESENT*
- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

Member   *Pohang, S.Korea*

PLUS (LABORATORY FOR UNIX SECURITY IN POSTECH)   *Sep. 2010 - Oct. 2011*
- 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   *Pohang, S.Korea*

MSSA (MANAGEMENT STRATEGY CLUB OF POSTECH)   *Sep. 2013 - PRESENT*
- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

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

DOMESTIC

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

Presentation

Presenter for <DEFCON 20th : The way to go to Las Vegas>   *Seoul, S.Korea*

6TH CodeEngn (REVERSE ENGINEERING CONFERENCE)   *Jul. 2012*
- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

Presenter for <Metasploit 101>   *S.Korea*

6TH HACKING CAMP - S.KOREA   *Sep. 2012*
- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

Founder & Writer *Facebook Page*

A GUIDE FOR DEVELOPERS IN START-UP *Jan. 2015 - PRESENT*

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

Undergraduate Student Reporter *S.Korea*

AHNLAB *Oct. 2012 - Jul. 2013*

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

Program Committees

2016	**Problem Writer**, 2016 CODEGATE Hacking Competition World Final	*S.Korea*
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*