

## Claud D. Park · Curriculum Vitae

### Education

B.S. in Computer Science and Engineering POSTECH(Pohang University of Science and Technology) Pohang, S.Korea  
Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.

### Skills

DevOps AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI

Back-end Koa, Express, Django, REST API

Front-end Hugo, Redux, React, HTML5, LESS, SASS

Programming Node.js, Python, JAVA, OCaml, LaTeX

Languages Korean, English, Japanese

### Experience

Software Architect Omnious. Co., Ltd. Seoul, S.Korea Jun. 2017 - May. 2018

Provisioned an easily manageable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code)

Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher

Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product

Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.

Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker container

Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker

Co-founder & Software Engineer PLAT Corp. Seoul, S.Korea Jan. 2016 - Jun. 2017

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 IAM)

Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

Researcher Undergraduate Research, Machine Learning Lab(Prof. Seungjin Choi) Pohang, S.Korea Mar. 2016 - Ex

Researched classification 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) R.O.K Cyber Command, MND Seoul, S.Korea

Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private

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

Won the 2nd prize in final evaluation.

Researcher for <Detecting video's torrents using image similarity algorithms> Undergraduate Research, Computer

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

Software Engineer Trainee 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

Software Engineer ShitOne Corp. Seoul, S.Korea Dec. 2011 - Feb. 2012

Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android

Freelance Penetration Tester SAMSUNG Electronics S.Korea 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 B10S (B1t On the Security, Underground hacker team) S.Korea 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 WiseGuys (Hacking & Security research group) S.Korea Jun. 2012 - PRESENT

Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smart

Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual

Core Member & President at 2013 PoApper (Developers' Network of POSTECH) Pohang, S.Korea Jun. 2010 - Jun

Reformed the society focusing on software engineering and building network on and off campus.

Proposed various marketing and network activities to raise awareness.

Member PLUS (Laboratory for UNIX Security in POSTECH) Pohang, S.Korea Sep. 2010 - Oct. 2011

Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several

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 MSSA (Management Strategy Club of POSTECH) Pohang, S.Korea Sep. 2013 - Jun. 2017

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

Finalist DEFCON 26th CTF Hacking Competition World Final Las Vegas, U.S.A 2018

Finalist DEFCON 25th CTF Hacking Competition World Final Las Vegas, U.S.A 2017

Finalist DEFCON 22nd CTF Hacking Competition World Final Las Vegas, U.S.A 2014

Finalist DEFCON 21st CTF Hacking Competition World Final Las Vegas, U.S.A 2013

Finalist DEFCON 19th CTF Hacking Competition World Final Las Vegas, U.S.A 2011

6th Place SECUINSIDE Hacking Competition World Final Seoul, S.Korea 2012

#### Domestic

3rd Place WITHCON Hacking Competition Final Seoul, S.Korea 2015

Silver Prize KISA HDCON Hacking Competition Final Seoul, S.Korea 2017

Silver Prize KISA HDCON Hacking Competition Final Seoul, S.Korea 2013

2nd Award HUST Hacking Festival S.Korea 2013

3rd Award HUST Hacking Festival S.Korea 2010