

Hyung-gun Chi

MASTER STUDENT

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Education

Purdue University

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

West Lafayette, IN, USA

Aug. 2018 - PRESENT

Yonsei University

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

- 2011–2013, 2-year military service

Seoul, South Korea

Mar. 2010 - Feb. 2017

Skills

Programming Python, C/C++, JavaScript, HTML, CSS, PHP, Matlab, SQL

Frameworks ROS, TensorFlow, Keras, Caffe

Software Pro-E, SolidWorks, AutoCAD, HyperWorks

Languages Korean, English

Experience

R.O.K Cyber Command, MND

SOFTWARE ENGINEER & SECURITY RESEARCHER (COMPULSORY MILITARY SERVICE)

Seoul, S.Korea

Aug. 2014 - Exp. Apr. 2016

- 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.

NEXON

GAME DEVELOPER INTERN AT GLOBAL INTERNSHIP PROGRAM

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 who wrote the game logic, designed game graphics.
- Won the 2nd prize in final evaluation.

Undergraduate Research, Computer Vision Lab(Prof. Bohyung Han)

RESEARCHER FOR <DETECTING VIDEO'S TORRENTS USING IMAGE SIMILARITY ALGORITHMS>

Pohang, S.Korea

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 Maestro (funded by Korea Ministry of Knowledge and Economy)

SOFTWARE ENGINEER TRAINEE

Seoul, S.Korea

Jul. 2012 - Jun. 2013

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

ShitOne Corp. (Start-up company)

SOFTWARE ENGINEER

Seoul, S.Korea

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.

SAMSUNG Electronics

FREELANCE PENETRATION TESTER

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.