

Eric Timmerman

SOFTWARE ENGINEER

12410 SW Center St Apt 95, Beaverton Oregon, 97005

☎ 503-899-5085 | ✉ eet1992@gmail.com | 📱 clantant | 📺 clantant

"Learn from the past; live in the present; prepare for the future."

Education

Oregon State University

B.S. IN COMPUTER SCIENCE

- 3.13 GPA
- Systems Option

Corvallis, Oregon

September 2010 - December 2015

Experience

CDK Global

SYSTEMS ENGINEER

- Debugged large software stacks on a system level
- Modified legacy software to work on 64 bit systems
- Worked with CentOS products and packages to support application level development
- Using RPM and make revamped an old recursive make to allow for modular building and continuous integration
- Worked on major operating system project as a pivotal resource that pushed it forward
- Changed between tcl, php, ksh, bash, C, and python on the fly to effectively find the source of many problems
- Debugged old postgresql and pick commands for newer standards
- Triaged and corrected a terminal based menu system
- Using ansible managed virtual machines in an upgrading process
- Used Git, Confluence, Jira, and Agile Methodology

Portland, Oregon

July 2015 - Present

Puppet

RELEASE ENGINEERING INTERN

- Worked on software packaging and build automation using Ruby and Rake
- Using Linux repackaged multiple packages for AIX, Mac OS X, Solaris, Debian, and Redhat
- Created a solution for Ruby Gem signing using GPG detached signing
- Integrated with the full time team and worked in the same capacity as a full release engineer
- Used Git, Confluence, Jira, and Agile Methodology

Portland, Oregon

June 2014 - September 2014

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

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

- 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.

Pohang, S.Korea

Sep. 2012 - Feb. 2013

Software Maestro (funded by Korea Ministry of Knowledge and Economy)

SOFTWARE ENGINEER TRAINEE

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

Seoul, S.Korea

Jul. 2012 - Jun. 2013

ShitOne Corp. (Start-up company)

SOFTWARE ENGINEER

- 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.

Seoul, S.Korea

Dec. 2011 - Feb. 2012

SAMSUNG Electronics

FREELANCE PENETRATION TESTER

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

S.Korea

Sep. 2013, Mar. 2011 - Oct. 2011

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

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.

PLUS (Laboratory for UNIX Security in POSTECH)

MEMBER

Pohang, S.Korea

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.

MSSA (Management Strategy Club of POSTECH)

MEMBER

Pohang, S.Korea

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 insight for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

- 2014 **Finalist**, DEFCON 22nd CTF Hacking Competition World Final
- 2013 **Finalist**, DEFCON 21st CTF Hacking Competition World Final
- 2011 **Finalist**, DEFCON 19th CTF Hacking Competition World Final
- 2012 **6th Place**, SECUINSIDE Hacking Competition World Final

Las Vegas, U.S.A

Las Vegas, U.S.A

Las Vegas, U.S.A

Seoul, S.Korea

DOMESTIC

- 2015 **3rd Place**, WITHCON Hacking Competition Final
- 2013 **Silver Prize**, KISA HDON Hacking Competition Final

Seoul, S.Korea

Seoul, S.Korea

Presentation

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

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

Writing

A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

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

AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

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

Program Committees

- 2013 **Organizer & Co-director**, 1st POSTECH Hackathon
- 2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

S.Korea

S.Korea