

# Curriculum Vitae

## Kyeong Joo Jung, M.S.

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### EDUCATION

- 2017 - 2018      *Master's degree of Computer Science*, Stonybrook University-State University of New York (SUNY) Korea (Global University Campus)  
Republic of Korea
- 2014 - 2015      *Exchange Student in Computer Science (BS)*, Angelo State University  
Texas, USA
- 2011 - 2017      *Bachelor of Computer Engineering*, Yonsei University  
Republic of Korea

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### EMPLOYMENTS

- 2018- Present      *IT employee at Korea International School IT Team*  
Server maintenance, Google Apps maintenance, Web page management, develop (Wordpress), Network (Wired/Wireless) maintenance, Switchboard, VMS, Telephone maintenance, AntiVirus(V3) maintenance, Firewall maintenance, Privacy management, IT asset management  
Republic of Korea
- 2018      *Work-Study at Stonybrook University-State University of New York (SUNY) Korea (Global University Campus) IT & General Team*  
Maintenance support for IT on campus  
Republic of Korea
- 2017 - 2018      *Teaching Assistant at Stonybrook University-State University of New York (SUNY) Korea (Global University Campus) Computer Science Department, Mechanical Department, & Business Management Department*  
Teaching and leading students in classes on campus  
Republic of Korea
- 2016      *Internship at The Korean Association for Industrial Technology Security*  
Security Operation Service  
Equipment check-up on small and medium industrial company  
Republic of Korea

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### RESEARCH INTERESTS

Cyber Security, IoT Security, Privacy, Digital Forensics, Machine Learning

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### PUBLICATIONS

1. **Kyeong Joo Jung**, Soung Ho Choi, Bang Hun Lee, Yeon Nam Gung, Jun Seok Kim, Hyung Suk Kim, Ju Seong Han, Tomaspeter Kim, & Bong Jun Choi (2018), "POSTER: Undetectable Task Bypassing OS Scheduler via Hardware Task Switching" Proc. ACM Asia Conference on Computer and Communications Security (ASIACCS), Songdo, Korea, June 2018. (Poster)
2. **Kyeong Joo Jung**, Bang Hun Lee, Yeon Nam Gung, Jun Seok Kim, Hyung Suk Kim, Ju Seong Han, & Bong Jun Choi (2018), "Under Cover of Darkness: Hiding Tasks via Hardware," HITBSecConf, CommSec, Amsterdam, Netherlands, April 2018. (Technical Paper)

3. Simon S. Woo, **Kyeong Joo Jung**, & Bong Jun Choi (2018), "Survey on Current Password Composition Policies", Korean Institute of Information Security and Cryptology Conference, vol. 28, no. 1, Feb. 2018.(Journal)

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### **RESEARCH PROJECTS**

2018 - Present	Finding vulnerability of Linux Project Leader of the team (Task Force) BoB (Best of the Best), KITRI (Korea Information Technology Research Institute), Republic of Korea Finance support: \$ 1,400
2017	Finding vulnerability using hardware task switching Member of the team (Ajae.dll) BoB (Best of the Best), KITRI (Korea Information Technology Research Institute), Republic of Korea Finance support: \$ 1,400
2016	Reducing jaywalking using LED Leader of the Capstone Design team Yonsei University LINC, Republic of Korea Finance support: \$ 1,800

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### **PRESENTATION**

2018	Under Cover of Darkness: Hiding Tasks via Hardware, HITBSecConf, CommSec, Amsterdam, Netherlands, April 2018.
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### **PATENT**

2017(Pending)	Detection method and device of hidden task using hardware task switching Bang Hun Lee, Soung Ho Choi, Jun Seok Kim, Kyeong Joo Jung, Yeon Nam Gung, Hyung Suk Kim, Junseong Han
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### **TEACHING EXPERIENCES**

*Teaching Assistant at Stonybrook University-State University of New York (SUNY) Korea (Global University Campus), Republic of Korea*

#### **Courses Taught**

2018	BUS215: Intro to Business Statistics
2017	CSE101: Introduction to Computational and Algorithmic Thinking CSE114: Computer Science I CSE220: System Fundamentals I MEC101: Freshman Design Innovation

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### **AWARDS & HONORS**

2018	<i>Research Assistant Scholarship</i> Stonybrook University-State University of New York (SUNY) Korea (Global University Campus), Republic of Korea Scholarship Amount: \$ 1,400 (per month), Tuition waiver (70%)
2018	<i>Teaching Assistant Scholarship</i> Stonybrook University-State University of New York (SUNY) Korea (Global University Campus), Republic of Korea Scholarship Amount: \$ 500 (per month)
2017	<i>Teaching Assistant Scholarship</i> Stonybrook University-State University of New York (SUNY) Korea (Global University Campus), Republic of Korea Scholarship Amount: \$ 1,000 (per month), Tuition waiver (Spring

semester: half, Fall semester: full)

- 2017 *Research Assistant* Scholarship (Summer Break)  
Stonybrook University-State University of New York (SUNY) Korea  
(Global University Campus), Republic of Korea  
Scholarship Amount: \$ 1,500
- 2017 'Global Elite' Award  
Yonsei University, Republic of Korea
- 2017 *Runner-up Award* in Academic Convergence Project Contest on campus  
Yonsei University, Republic of Korea  
Finance: \$ 300
- 2016 *Scholarship* for Developing Career  
Yonsei University, Republic of Korea  
Finance: \$ 100
- 2016 *Scholarship* for Developing Career  
Yonsei University, Republic of Korea  
Finance: \$ 200
- 2015 *Dean's List for Excellent Academic Achieve*  
Angelo State University, San Angelo, Texas
- 2013 Award for *Excellence in Squad Commander Training*  
6th Division commander, Army
- 2013 Citation for *Meriting on Training Recruit*  
3rd Battalion commander, Army
- 2012 Citation for *Training Excellent Recruit*  
19th Regimental commander, Army

## ***CERTIFICATES***

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- 2018 Certificate of *Young Professional Forum*  
Establish a forum for a mutual cooperation that strengthens and fosters  
the capacity of next generation talents in science and technology at  
home and abroad  
Korean Federation of Science & Technology Societies (KOFST)  
Republic of Korea
- 2017 – 2018 Certificate of *Best of the Best member (Digital Forensics Track)*  
Program training the Next Generation of Top Security Leaders  
Korea Information Technology Research Institute (KITRI),  
<https://www.kitribob.kr/>  
Republic of Korea
- 2017 Certificate of *Study & Training*  
Crime Scene Investigation & Forensic Science Program  
National Forensic Service, Republic of Korea
- 2015 Certificate of Achievement from *SGA (Student Government Association)*  
Angelo State University, San Angelo, Texas
- 2015 Certificate of Appreciation from *KSA (Korean Student Association)*  
Angelo State University, San Angelo, Texas

## SKILLS

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- Python (Well)
- Java, C, C++ (So-So)
- Java Standard Edition 6 Programmer Certified Professional (OCJP) (2016)  
Institute: Oracle
- Familiar with Windows, Ubuntu OS
- Tensorflow, Keras
- Database(MySQL, JDBC, XAMPP, TOMCAT)
- Hadoop
- Encase (Digital Forensics Tool - Used before but still beginner)
- Familiar with Wordpress (Website managing tool)

## SERVICES

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- 2015 SGA (Student Government Association) *International Senator*  
Angelo State University, San Angelo, Texas  
Main Activity: Representing international students  
Activity about contracting discount system with local stores
- 2014 – 2015 KSA (Korean Student Association) *President*  
Angelo State University, San Angelo, Texas  
Main Activity: Representing Korean students and holding events to promote about Republic of Korea on campus  
Report: - Published on Ram page (campus newspaper) about KSA events  
Volume 81, Issue 18, February 20, 2015  
Volume 81, Issue 19, February 27, 2015  
- Interview with local broadcast about opening new public transportation on behalf of international students, San Angelo, Texas, April 10, 2015
- 2012- 2013 Republic of Korea *Army*  
6th Division, 19 Regiment, 3 Battalion, Infantry  
*Training assistant* in Recruit Training Center  
*Honorable discharge* as a sergeant
- 2011 *Representative of freshmen* in Computer Engineering department  
Yonsei University, Republic of Korea

## OTHER EXPERIENCE

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### Research in Other Area

- 2016 Way to make more culture exchange in the campus  
*Leader* of Academic Convergence Project team  
Yonsei University, Republic of Korea  
Finance support: \$ 1,500
- 2015 – 2016 Desalination using Graphene  
*Leader* of the LG Challenges Activity  
LG Group, Republic of Korea
- Online teaching  
2011 Online Educational service activity (Child of a soldier in the Army)  
Main Activity: Teaching math to an elementary student

**REFERENCE LISTS**

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Bong Jun (David) Choi, PhD.

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