

Education

- 2010–2014 **B.S. in Computer Science and Engineering**, *Seoul National University*, Seoul, Korea.
Department of Computer Science and Engineering Scholarship
National Science and Engineering Scholarship
Seoul National University Alumni Association Scholarship

Experience

- Oct.2016–
present **Quantitative Researcher**, *WorldQuant*, Seoul, Korea.
○ Focused on the development of statistical arbitrage strategies within global markets
○ Developed automatized signal fitting framework
○ Researched signal combining method with several selecting criteria
- Dec.2015–
Oct.2016 **Quantitative Developer**, *WorldQuant*, Seoul, Korea.
○ One of the first members in the Korea office, established on September 2015
○ Improved and maintained in-house dataset, which achieves better reliability using datasets from vendors
○ Developed program which monitors dataset production
○ Researched statistical arbitrage strategies using genetic algorithm
- Mar.2014–
Dec.2015 **Software Engineer**, *R.O.K. Cyber Command*, Seoul, Korea.
○ Led real-time chatting service using vertex in java and angularJS
○ Rebuilt the service with Lift in scala to make the service also work in IE8
○ Improved emergency response system which broadcasts instructions from command to lower units in java servlet
- Mar.2013–
Jun.2013 **Software Engineer**, *Seoul National University*, Seoul, Korea.
Project team for Samsung Electronics
○ Modeled traffic simulation system interlocked with video decoder based on AMBA bus reference code
○ Developed simulator which measures data traffic and shows the data in graph
- Jul.2012–
Sep.2012 **Student Researcher**, *Seoul National University*, Seoul, Korea.
Interned at Distributed Computing Systems Laboratory
○ Improved calculating speed by monopolizing one CPU core
- Disabled irq by setting irq affinity to other CPUs
- Bound particular function to monopolized CPU
- Sep.2011–
Aug.2012 **Web Developer**, *Seoul National University*, Seoul, Korea.
Developed Department of Computer Science and Engineering website
○ Developed automation system for reservations and registrations using Drupal
○ Performed regular maintenance of the website upon completion

Extra Curriculars

- Mar.2012–
Mar.2013 **Organizer**, *TEDxSNU*, Seoul, Korea.
○ Developed TEDxSNU website using Wordpress
○ Liaised with corporate representatives

Awards & Honors

- Jan.2015 **Commander(Major General)'s award for excellence in performance**, *R.O.K. Cyber Command*.
- May.2011 **42nd Place**, *The 35th Annual ACM-ICPC World Finals*.
- Oct.2010 **Gold medal**, *The 10th Korean collegiate programming contest*.

Others

- Language Native Korean, Fluent English
Hobbies Sports dance, Piano