

Beunguk Ahn

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EDUCATION

- **Seoul National University** Seoul, Korea
Master of Science in Computer Science and Engineering, Completed; GPA: 3.76/4.3 *Sep. 2016 – Sep. 2018*
- **Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, Korea
Bachelor of Computer Science. Magna Cum Laude; GPA: 3.70/4.3, Major GPA: 3.91/4.3 *Feb. 2007 – Aug. 2015*
- **University of Alberta** Alberta, Canada
Certificate of University of Alberta ESL courses, ESL 140 (Highest level) *Feb. 2008 – Dec. 2008*

WORK EXPERIENCE

- **Devsisters** Seoul, Korea
Software Engineer, Live Team *Jan, 2016 – Jul. 2016*
 - **Game Server:** Developed backend server of 'CookieRun for Kakao'(Android/iOS) mobile game application based on Java Spring Framework. Manage game server instances in AWS.
 - **Data Warehousing:** Setup, design, and management of database instances using Couchbase. Also develop Spark environment for analyzing game logs.
 - **Push Notification:** Developed mobile push notification server with Go language.
- **Nielsen Korea** Seoul, Korea
Full Stack Developer, Online Division *Aug, 2011 – Aug. 2014*
 - **MyBuzzword:** Developed Social Media Monitoring Service.
 - **Search Engine:** Used Lucence/Solr for data indexing and searching. Also developed Lucene Korean morpheme/sentimental analyzer to customize Korean indexing.
 - **Web Crawler:** Developed social media and blog web crawler using Python.
 - **Web Service:** Provide web access point to customers for their interested keywords. Developed web services using Java Spring MVC framework and Hibernate. Managed customers' account and save query/dashboard information.
 - **Searchian:** Developed service which predicts ad-words' price and collects related ad-link.
- **ETRI** Daejeon, Korea
Internship, Smart Server Control System Team *Jun. 2010 – Aug. 2010*
 - **Data Protocol:** Developed data protocol between IPTV application and Android application
- **NexR** Daejeon, Korea
Server Administrator *Aug. 2009 – Feb. 2010*
 - **Management:** Develop utility tools and administration tools to control and monitoring server resources.

RESEARCH EXPERIENCE

- **Computational NeuroSystems Laboratory(CNSL) Lab** KAIST
Research Assistant, Prof. Lee, Soo-Young *Spring, 2015*
 - Research on building convolution neural network(ConvNet) for understanding natural language.
- **Database and Multimedia Lab** KAIST
Individual Research, Prof. Whang, Kyu-Young *Fall, 2014*
 - Research on updating educational-purpose DB project, ODYSSEUS/EduCOSMOS, to make it more convenient in students' perspective.
- **Database and Multimedia Lab** KAIST
Individual Research, Prof. Whang, Kyu-Young *Summer, 2011*
 - Research on developing large-scale SNS by using Odysseus DBMS.

ACITIVITIES

- **Club SPARCS** KAIST
Memeber, Chief of Wheel *Feb. 2007 – Aug. 2015*
 - **Server Administration:** Manage development server, name server (sparcs.org, sparcs.net), mail server, ftp server, and other services (otl.kaist.ac.kr, ara.kaist.ac.kr, sparcs.kaist.ac.kr etc.)
 - **TaxiTogether:** Mobile application for organizing groups of people who have similar destination to reduce taxi fare.
 - **Dejavo:** Web service for advertising and introducing programs in KAIST

- **Software Maestro** Seoul, Korea
Membership *Jun. 2010 – Dec. 2010*
 - **Embedded Software:** Understanding RTOS (Real Time Operating System) with developing μ COS. (Using JTAG TRACE 32 for ARM CPU).
 - **Architecture:** Developing configuration component for large scale software management with using Java.
 - **Web Application:** Using Twitter API for developing twitter quiz application within phone access.
 - **Mobile Application:** Developing IPTV App (of QOOK IPTV) and Smart Phone App (of iPhone) to make active communication among TV viewers.

- **KAIST Moodle Project** KAIST
Developer *Dec. 2007 – Jan. 2009, Dec. 2009 – Jan. 2011*
 - Developed an e-learning site for KAIST faculties and students. Deployed Moodle (open source project for learning management service) to KAIST (<http://moodle.kaist.ac.kr>). Developed KAIST SSO Plugin to integrate with Moodle. Managed Moodle service server.

TEACHING ASSISTANT

- **Data Structure (M1522.000900_001)** Seoul National Univ.
Teaching Assistant *Fall, 2017*
- **Topics in Big Data Analytics (M1522.001600_002)** Seoul National Univ.
Teaching Assistant *Spring, 2017*
- **Introduction to Programming (CS101)** KAIST
Teaching Assistant *Spring, 2010 / Fall, 2009*
- **Freshman Design Course** KAIST
IT Teaching Assistant *Oct. 2007 – Jan. 2008*
 - **Management:** Manage over 500 students and 50 members of faculties on each semester.
 - **Development:** Made Lottery System for assigning students to project. Made Lottery System for assigning faculties for grading. Developed own grading system of the course. Developed archiving system for gathering lecture notes or assignments. Gathering peer review result within web based survey system.

EXTRA CURRICULAR ACTIVITIES

- **SNU Graduate Student Association** Seoul National Univ.
Member *Mar. 2018 – Current*
- **KAIST Club's Union** KAIST
Executive Director *Feb. 2010 – Dec. 2010*

PUBLICATIONS

1. Beunguk Ahn, Jin-Ah Park, Elbashir Abbas and Ho-Jin Choi, (2012). 'Increasing Splicing Site Prediction by Training Gene Set Based on Species'. KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, (SCIE), Vol 6, No. 11, pp. 2784–2799.
2. Mary Kathryn Thompson, Line Harder Clemmensen and Beung-Uk Ahn, (2013). 'The Effect of Rubric Rating Scale on the Evaluation of Engineering Design Projects'. International Journal of Engineering Education,(SCIE), Vol 29, No. 6, pp. 1490–1502.
3. Mary Kathryn Thompson and Beung-Uk Ahn, (2012). 'The Development of an Online Grading System for Distributed Grading in a Large First Year Project-Based Design Course'. Proceedings of the 119th ASEE Annual Conference & Exposition.
4. Jaehyuk Park, Beunguk Ahn, Rohjoon Myung, Kyuree Lim, Wonjae Lee and Meeyoung Cha, (2011). 'Revolution 2.0 in Tunisia and Egypt: Reactions and sentiments in the online world'. Proceedings of the International AAAI Conference on Weblogs and Social Media (ICWSM) Data Challenge Workshop.
5. Beunguk Ahn, Jin-Ah Park, Elbashir Abbas, Ho-Jin Choi (2011). 'Increasing Splicing Site Prediction by Training Gene Set Based on Species Using WEKA'. KSII Proceedings of the 3rd Int'l Conf. Internet (ICONI), Vol., No., pp.403-407.

HONORS & AWARDS

- YoonKim Research Scholarship, KAIST *Mar. 2015 – Jun. 2015*
- Dean's List, Dept. of Computer Science, KAIST *Fall. 2014*
- Korea Presidential Science Scholarship *Mar. 2006 – Mar. 2015*
- Letter of Appreciation from Korea National Policy Agency *Jun. 2012*
- Special Award for Dedicated Service to the KAIST Freshman Design Course *Feb. 2011*
- Commendation for Distinguished Services, KAIST *Feb. 2010*
- Gold Prize for KAIST Smartphone App Competition, KAIST *Dec. 2010*

OTHERS

- Industrial Engineer Information Processing Certificate, Korea *Aug. 2010*
- New GRE *Aug. 2015*
Verbal:152, Quant:163, Writing:3.5