JINHYUK JEON

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Education

Seoul National University   **Seoul, South Korea**
B.S. Computer Science and Engineering | B.S. Mechanical and Aerospace Engineering   *March 2011 – Present*
· Anticipated to graduate at February 2019
· Relevant Coursework : Algorithms, Data Structures, Discrete Mathematics, Probability and randomized Algorithms(EM), Computer Programming(C++, JAVA), Principles of Programming, Operating Systems, Computer Architecture

Sejong Science High School   **Seoul, South Korea**
Physics division   *March 2009 – February 2011*

Gifted Academy of Seoul National University   **Seoul, South Korea**
Physics division   *March 2007 – January 2009*
· selected 4 out of 20 students for the second year of extended studies with Professor D. Jeon

Work Experience

Jikguprice   **Seoul, South Korea**
Founder | Web Service   *January 2017 – February 2018*
· Developed full stack from Backend with Serverless Architecture & Node.js to frontend MVVM responsive single page applications with Vue.js, jQuery, Materialize.css and various other libraries(SNS sharing, URI etc.)
· Designed backend algorithms, prepared SSL and CDN, done version control and testing with Github and Webpack. Also released an Android app using WebView for efficient data caching and offline use
· Done various other roles and contributed in the whole lifecycle of a software product development from market research to product release(currently in service)

Joyroute   **Seoul, South Korea**
Programmer | International exhibitions and Korean art sales firm(out of business)   *May 2016 – December 2016*
· Established a new team of 5 people developing a web gallery based art sales service. Developed a MVP(not in service).
· Frontend template renewal of joyroute.org and joy-route.com(gallery) with CSS and vanilla Javascript

United Nations Command   **Seoul, South Korea**
Operations NCO, Sergeant(KATUSA) | Military Armistice Commission   *December 2013 – September 2015*
· Provided English translation for the field inspection of whole frontline ROKA DMZ divisions on armistice violations with officers from 19+ nations. Managed operations database with security clearance
· Contributed on optimizing the internal work process of UNCMAC by suggesting better work distribution on multinational operations with officers
· Awarded an US Army Commendation Medal from Lieutenant General(3 star) Shampoux, commander in chief of the 8th Army for contributions on harmonic multinational cooperation(recommendation from the officers)

Selected Projects

Linux kernel Development(Tizen Artik 10)   *June 2017 – March 2017*
· Developed a new orientation based reader/writer lock system call given azimuth constraints of a physical mobile device using kernel semaphores and mutex locks
· Implemented a new run queue in the kernel scheduler using weighted round robin algorithm with load balancing of 8 CPUs
· Modified the ex2 inode to attach GPS geolocation tags and granted accessibility only from the location of creation/modification

Server – Client RMI Whiteboard   *June 2016 – May 2016*
· Built a GUI Whiteboard application for multi clients to modify simultaneously and share same results using Java RMI calls from the server and client side bidirectionally

Skills & Interests

· Languages/technologies: Proficient in C++, Java; familiar with Javascript, C; previously used Python, Scala, Matlab. Experienced with Git, Amazon Web Services, Android, Unix/Linux, Node.js, Vue.js, jQuery, Webpack, LAMP stacks(&wordpress)
· Organizations : SNUSV(SNU student startup network), SCSC(SNU Computer Study Club), SMERF(mars rover development club), Programming Tutoring for student groups of 5~10(Python, Scratch), Research advisor & lead of student groups

Honors & Awards

· **National Scholarship for Engineering -** Awarded full tuition(approx. $3000) from the Korea Student Aid Foundation
· **Grand Prize, Autonomous swinging robot competition –** 1st out of 14 teams on building an autonomous robot in SNU
· **Academic Excellence Scholarship –** Awarded full tuition for 13 students of high GPA in the whole engineering department
· **Army Commendation Medal(ARCOM) –** Awarded for contributing efforts and high discipline by the 8th US Army, USFK