

Seunghwan Hong

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Summary

I'm a software engineer and student who is working with both of my university course and company. I enjoy challenging new technologies and learning various things. Now I'm working in Jininsa Company and making the chatbot engine of 'PororoT', social intelligence robot toy for kids.

Professional Experience

Jininsa Company, Software Engineer

Jun. 2017 – present

Jininsa Company is startup in Korea, which makes social intelligence robot 'PororoT'. I joined this company when product development is just started. I used only the intent and entity parsing engine from other engine and made all the rest of the chatbot framework. Now service is successfully running, financed by 997 backers at \$123,404.

PororoT: Social Intelligence Robot 'Pororo' (pororot.com)

- Rule-based chatbot decision framework
 - Implement a framework to make the fitting conversation with users for various situations like singing songs, reading books, end-to-end game, etc.
Python 3, SQL, Redis, Docker
- RESTful API server framework for mobile application
 - Implement API services for communication with chatbot server and managing user information
Flask, Redis
 - Containerize all infrastructures and make a set of scripts for controlling containers
Docker, Shell script
- Landing website for company and PororoT (jininsa.com)
 - Automate 'News' and 'People' sections for frequent update base on JSON
jQuery, Javascript

South Korea Government's R&D Business, Project Manager, Lead Developer **Jun. 2016 – Dec. 2016**

This is South Korea's government business for finding some nice ideas for building startups. I applied for this job when I was freshman and I was selected. I worked as a PM and lead developer for 6 months to make new type of educational programming language. It was successfully completed and achieved the first grade in this business.

Middle language for block-based programming language (github.com/ngEPL/Mocca)

- Language Core Design & Compiler
 - Design core concept of language; abstracting one code to 3 student levels
 - Implement language compiler which compiles 'Mocca' code to parse tree and Python.
C#, Compiler-Compiler

Technical Skills

Languages: Python 3, Javascript (fluent); C++, Java (working knowledge)

Frameworks / Platforms: Flask (Python 3.x), Redis, MongoDB, socket.io, jQuery, Vue.js, React.js

Other Skills: HTML, CSS, MySQL, XML (comfortable); Docker (working knowledge)

Education

Kookmin University (Seoul, South Korea)

Mar. 2016 – present

Undergraduate in Computer Science, Average in Major: 3.82 / 4.5

Publications

Studying OPEG Score Development for Learning Open Source Software Development Practice, **Seunghwan Hong**, Dong-Gyu Kim, Geon Son, Domin Kim, Soochurl Shin, Dujin Jeong, Rina Choi, Minsuk Lee, Korea Computer Congress 2017 (KCC 2017), Busan, South Korea, 2017. (<https://goo.gl/9RktN6>)

Honors and Awards

Prize for Best Engineering, 23rd Startup Weekend **Apr, 2017**

I made sort of system for managing hackathon and evaluating Git projects to exact number of score.

1st Place (South Korea Government R&D Business) **Dec, 2016**

I successfully completed my projects and achieved the overall first grade in this business.

4th Place (National Competition), 2015 Korea Olympiad in Informatics **Oct, 2015**

I built new educational programming language which can program with Korean letters.

Contributions and Invited Talks

Openhack: National Union of Engineering School Hackathon **2017**

Organizer & System Developer

Google Developer Group: Korea, Campus Summer Party **2017**

Technical Session: Invited speaker ('Reactive Programming for Beginners')

Volunteering Experience

Colored by Software, Lead Member of Technical Staff **May. 2016 – present**

Non-profit software education voluntary service that educates software to people who are interested in software in the library all over the country. Volunteered as a system developer for this project and built library searching system, lecture searching system, and landing page.