**Seunghwan Hong**

[harrydrippin@gmail.com](mailto:harrydrippin@gmail.com)

github.com/harrydrippin

+1 646-409-6212

**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’**](https://pororot.com/) (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](https://jininsa.com/) for company and [PororoT](https://pororot.com/) (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](https://github.com/ngEPL/Mocca)** [(github.com/ngEPL/Mocca)](https://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**](https://onoffmix.com/event/95629) | **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**](https://sigoss.github.io/hackathon2017-2/) | **2017** |

Organizer & System Developer

|  |  |
| --- | --- |
| [**Google Developer Group: Korea, Campus Summer Party**](https://gdgsummerparty.firebaseapp.com/) | **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.