

# Soo Kim – Résumé

---

<b>Address</b>	16, Seorim 11ga-gil, Gwanak-gu, Seoul, 08840, Republic of Korea	<b>Nationality</b>	Republic of Korea
<b>Date of Birth</b>	25 <sup>th</sup> September 1991	<b>Mobile Phone</b>	+82 10 8560 6797
		<b>Email</b>	carlsagan96@gmail.com

## Personal Profile

Attending Seoul National University (major 3.85/4.3) and expected to graduate 08.2018. Gained industrial and research experience in an IT startup and a laboratory.

Interests: Program Analysis, Type System, Functional Programming, Software Engineering, Distributed Computing, Cloud Computing, Web.

## Education

Mar 2011 - **Seoul National University, Seoul**  
Present *College of Liberal Studies*  
*Candidate for Bachelor's Degree in Computer Science and Engineering*  
4 Years Full Scholarship - Korea Student Aid Foundation  
GPA: 3.75/4.3      GPA(CS major): 3.85/4.3  
Related Courses: Data Structures, Algorithms, Operating Systems, Creative Integrated Design, Programming Languages, Principles of Programming, Computer Architecture, Computer Programming, Hardware System Design, Logic Design, Electrical and Electronic Circuits, Discrete Mathematics

## Relevant Experience

Jan 2018 - **Samsung Electronics, Suwon**  
Feb 2018 *Software Development Intern*  
Mobile Division System Development

Jul 2017 - **Programming Research Laboratory, Seoul National University, Seoul**  
Dec 2017 *Research Assistant Intern*  
Developed automated program corrector using machine learning, to feedback assignments of the elementary programming course automatically. Based on *sk\_p: a neural program corrector for MOOCs*  
Technologies: TensorFlow, Seq2seq

Dec 2015 - **Ab180, Seoul**  
Aug 2016 *Front-end Developer (6<sup>th</sup> member in the company)*  
Airbridge (Mobile app marketing performance analytics)  
Developed front-end web, to display marketing performance analysis results without delay (attracted the 600M won (540,000\$) investment from TIPS.)  
Technologies: React, Redux, Webpack, D3, Eslint, Flow, Enzyme, Amazon S3, Jenkins, Flask, Amazon EC2. / As a team, Scrum, JIRA, Confluence

Projects **ejs-simple-loader, npm package**  
Developed ejjs loader for webpack. Recorded total 1367 downloads.

**Hardware Calculation Accelerator, Hardware System Design**  
Implemented matrix-vector multiplication IP, BRAM for DNN on FPGA, using Verilog, Cpp, Python (resulted 423.15% faster performance than that of CPU in benchmark using MNIST)

**Scheduler using Weighted Round Robin, Operating Systems**  
Implemented task scheduler with weighted round robin policy in kernel 3.10 (run with reasonable performance)

**Async Web Engine, Creative Integrated Design**  
Developed asynchronous web engine like Netty with TmaxSoft in Java (outperformed Nodejs in response time benchmark using JMeter)

## Skills and Others

- **Languages**  
English: Business Level (TOEFL: 104/120, GRE: Verbal 156/170) / Japanese: Business Level
- **Links**  
Linkedin: [www.linkedin.com/in/soo-kim-carlsagan96](http://www.linkedin.com/in/soo-kim-carlsagan96)  
Github: [github.com/carlsagan21](http://github.com/carlsagan21)