

Soo Kim – Résumé

Address	16, Seorim 11ga-gil, Gwanak-gu, Seoul, 08840, Republic of Korea	Nationality	Republic of Korea
Date of Birth	25 th September 1991	Mobile Phone	+82 10 8560 6797
		Email	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 (6th 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, OPIc: IH) / Japanese: Business Level
- **Links**
Linkedin: www.linkedin.com/in/soo-kim-carlsagan96
Github: github.com/carlsagan21