

Soo Kim – Résumé

Location	Seoul, Republic of Korea	Mobile Phone	+82 10 8560 6797
Year of Birth	1991	Email	carlsagan96@gmail.com
Nationality	Republic of Korea		

Personal Profile

Graduated Seoul National University (major 3.85/4.3), Dean's Award

Experienced in Web, DB, and Embedded system in ab180, SAP Labs, and Samsung Mobile

Research Experience in Programming Language laboratory (ROPAS) in SNU

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

Education

Mar 2011 - **Seoul National University, Seoul**

Aug 2018 *College of Liberal Studies*

Bachelor of Science in Computer Science and Engineering

Dean's Award

4 Years Full Scholarship - Korea Student Aid Foundation

GPA(CS major): 3.85/4.3 GPA: 3.77/4.3

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

Apr 2018 - **SAP Labs Korea, Seoul**

Present *Software Development Intern*

Labs Korea Kernel Team

Research on Index adviser in SAP HANA

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, the dashboard to display marketing performance analysis results

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 ejss 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)

Skills and Others

- **Languages**

English: Business Level (TOEIC: 970, 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