Soo Kim – Résumé

Address	16, Seorim 11ga-gil, Gwanak-gu, Seoul, 08840, Republic of Korea	**Nationality**	Republic of Korea
		Mobile Phone	+82 10 8560 6797
Date of Birth	25^{th} September 1991	**Email**	carlsagan96@gmail.com

Personal Profile

Accomplished outstandingly (major 3.85/4.3) at the most prestigious university in Korea and Gained industrial and research experience in the startup and the laboratory.

Education

Mar 2011 - Present **Seoul National University**, *Seoul*
College of Liberal Studies
Candidate for Bachelor's Degree in Computer Science Engineering
4 Years Full Scholarship - Korea Student Aid Foundation
GPA: 3.75/4.3 GPA(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

Jul 2017 - Present **Programming Research Laboratory, Seoul National University**, *Seoul*
Research Assistant, Intern
Developed automated program corrector using machine learning, to feedback assignments of the elementary programming course automatically.
Technologies: TensorFlow, Seq2seq

Dec 2015 - Aug 2016 **Ab180**, *Seoul*
Front-end Developer (6^{th} 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 E2. / As a team, Scrum, JIRA, Confluence

Projects **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 (runned 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)

Lisp Interpreter, *Principles of Programming*
Implemented Racket (a dialect of Lisp) interpreter in OCaml

Skills and Others

- **Languages**
  English: Business Level (TOEFL: 104/120, GRE: Verbal 156/170) / Japanese: Business Level
- **Interests**
  Program Analysis, Software Engineering, Distributed Computing, Cloud Computing, Front-end Web
- **Links**
  Linkedin: www.linkedin.com/in/soo-kim-carlsagan96
  Github: github.com/carlsagan21