Soo Kim – Résumé

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		Email	carlsagan96@gmail.com
Date of Birth	25^{th} September 1991	**linkedin**	soo-kim-carlsagan96
Nationality	Republic of Korea	**Github**	carlsagan21

Personal Profile

Interested in program analysis, distributed computing, clustering, and the-state-of-art techniques in web development from front-end to architecture.

Research Experience

Jul 2017 - Present
Programming Research Laboratory, Seoul National University
Research Assistant
Automated program corrector using machine learning.

Technologies: Tensorflow, seq2seq

Work Experience

Dec 2015 - Aug 2016
Ab180, Seoul, Republic of Korea
Front-end Developer
Airbridge (Mobile app marketing performance analytics) https://airbridge.io/
Developed front-end web alone using React.
Attracted the 600M won(540,000$) investment from TIPS. http://www.jointips.or.kr/

Technologies: React, Redux, Webpack, D3, Eslint, Flow, Enzyme, Amazon S3, Jenkins, Flask, Amazon E2. / As a team, Scrum, JIRA, Confluence, Trello

Education

Mar 2011 - Present
Seoul National University, Seoul, Republic of Korea
College of Liberal Studies
Candidate for Bachelor?s Degree in Computer Science Engineering
Candidate for Bachelor?s Degree in Cognitive Studies of Religion
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

Sep 2016 - Feb 2017
Kyoto University, Kyoto, Japan
Exchange Semester
Overseas Study Abroad Support System Scholarship - *480,000 yen(4800$)* JASSO

Related Courses: Programming Languages

Jul 2014
Freie Universität Berlin, Berlin, Germany
Summer Semester

Projects

- **Hardware Accelerator (Hardware System Design)**
  Processing System, Matrix-Vector Multiplication IP, BRAM for DNN. On FPGA in Verliog, Cpp, Python.
  Caculation: 423.15% faster than CPU (Benchmark using MNIST)
- **Scheduler using Weighted Round Robin (Operating Systems)**
  Task Scheduler running reasonable performance. In Kernel 3.10.
- **Geo-tagged File System (Operating Systems)**
  File system accessible according to the GPS of a mobile device. In Kernel 3.10.
- **Rotation based Lock for Synchronization (Operating Systems)**
  RWLock-like Lock according to the rotation of a mobile device. In Kernel 3.10.
- **Async Web Engine (Creative Integrated Design)**
  Project with TmaxSoft. Outperformed Nodejs marginally. In Java.
- **Lisp Interpreter (Principles of Programming)**
  Racket interpreter. In OCaml.

Languages

- **Korean**
  Native
- **English**
  Business Level
  TOEFL: 104/120 GRE: Verbal 156/170, Quant. 170/170
- **Japanese**
  Business Level
  Exchange semester in Japan