Current Address

4716 Ellsworth Ave. APT 905
Pittsburgh, PA 15213

Suyoun Kim
suyoun@cs.cmu.edu
(412) 692-0503
http://www.cs.cmu.edu/~suyoung1

Office Address

6412 Gates-Hillman Center
Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213

OBJECTIVE	To obtain a full-time position utilizing my 8 years of industry experience and strong academic background with 3 Master degrees in computer science.

EDUCATION

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA *Expected May 2014*
Master of Science in Computer Science
GEORGIA INSTITUTE TECHNOLOGY, Atlanta, GA *May 2011*
Master of Science in Computer Science (GPA: 3.90/4.00)
KOREA UNIVERSITY, Seoul, Korea *August 2011*
Master of Engineering in Embedded Software (GPA: 4.02/4.50)
KONKUK UNIVERSITY, Seoul, Korea *February 2005*
Bachelor of Science in Engineering (GPA: 3.75/4.50)

GRADUATE COURSEWORK

Machine Learning, Information Retrieval, Algorithms for Natural Language Processing
Machine Learning for Signal Processing, Computability & Algorithms, Advanced Operating System
DSP Software System Design, High Performance Computer Architecture

SKILLS

C/C++, Java, Python, Matlab, Octave, LaTeX, Perl, HTML/JavaScript/CSS

COURSE PROJECTS

Speech Recognition, School of Computer Science, CMU *September 2013 - Present*
- Developed lyric specific recognition system to overcome the stylized voices issue and applied feature extraction from a deep neural network

Natural Language Processing, School of Computer Science, CMU *Spring 2013*
- Developed the language model to distinguish between real and fake documents by applying NER, POS features

UIMA, School of Computer Science, CMU *Spring 2013*
- Developed Electronic Medical Record system by applying NLP techniques with the UIMA framework

EXPERIENCE

CARNEGIE MELLON UNIVERSITY, School of Computer Science, Pittsburgh, PA
Research Assistant *Aug 2012 - Present*
Conducted research on **computational biology** applying from **machine learning** and **statistical methods**
- Proposed an improved transfer learning method to overcome the scarcity of labeled data, which provides higher accuracy in the prediction human protein-protein interaction
- Proposed to incorporate the side effect similarity of drugs into a graph-based algorithm, which improves accuracy in the prediction drug target interaction

SAMSUNG ELECTRONICS Co., Ltd., Visual Display Division, Korea
Software Engineer *January 2005 – July 2012*
Developed Internet Protocol **Set-top Box** Software based on an **Embedded Linux** system
- Implemented an audio, video, and bootloader module of Denmark and Germany Set-top Box Project
- Collaborated with Digital Signal Processor companies, STMicroelectronics, and Broadcom
- Participated in an Academic Training Program (about 0.001% employees are sponsored to attend graduate school)

GEORGIA INSTITUTE OF TECHNOLOGY, GTCAD Lab., Atlanta, GA
Researcher *January 2011 – May 2011*
Evaluated performance of Nano-scale Through-Silicon Vias of 3D IC designs
- Published a paper, Dae Hyun Kim, **Suyoun Kim**, and Sung Kyu Lim, "Impact of Sub-micron Through-Silicon Vias on the Quality of Today and Future 3D IC Designs", ACM/IEEE International Workshop on System Level Interconnect Prediction, 2011.

SAMSUNG ELECTRONICS Co., Ltd., Samsung Software Membership, Korea
Intern *January 2004 - January 2005*
Developed 3D mobile games

References Available Upon Request