

DAEGUN WON

daegunw@andrew.cmu.edu
412.651.7595

Current Address
4716 Ellsworth Ave. APT 809
Pittsburgh, PA 15213

Permanent Address
208-1, Songgang-dong
Yuseong-gu
Daejeon, Korea
+82.42.934.7936

F-1 Visa, Citizen of South Korea

EDUCATION

CARNEGIE MELLON UNIVERSITY

Masters in Language Technologies (expected 2012)
Advisor: Prof. Jaime Carbonell
Kwanjeong Foundation Scholarship (\$50,000 / year)

CARNEGIE MELLON UNIVERSITY

B.S. in Computer Science, B.S. in Mathematics
Korea Presidential Scholarship (\$50,000 / year)
Cumulative GPA 3.98/4.0

KOREA SCIENCE ACADEMY

Busan, Korea (Mar 2003 – Feb 2006)
Cumulative GPA 4.06 / 4.30

SKILLS

C/C++, JAVA, PERL, RUBY, HTML,
ACTIONSRIPT, SML, R

COURSES

COMPUTER SCIENCE

Machine Learning, Probabilistic Graphical Model,
Algorithms in NLP, Language and Statistics,
Structured Prediction

MATHEMATICS

Intermediate Statistics,
Probability and Mathematical Statistics (graduate level)

HONORS / AWARDS

Kwanjeong Foundation Scholarship (\$50,000 / year)
Korea Presidential Scholarship (\$50,000 / year)
Samsung Frontier Membership
Phi Beta Kappa Society
ACM ICPC, ECNA Regional, 4th 2007, 5th 2006

Intel ISEF Korea Regional, Grand Award
Samsung HumanTech Thesis, Bronze Medal
Korea Olympiad in Informatics, Silver Medal
Korean Representative for SuperCon 2004
Candidate for IOI 2002 Korean Team

EXPERIENCE

Aug 2010 – present

GRADUATE RESEARCH ASSISTANT

CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA
Working on (1) empirical synonymous phrase extractor and
(2) proactive learning under the supervision of Professor Jaime Carbonell.

May 2009 – Aug 2009

RESEARCH ASSISTANT / SENIOR THESIS RESEARCH

CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA
Worked on population structure inference problem using
machine learning techniques.

May 2008 – Aug 2008

SOFTWARE DEV. ENGINEER

AMAZON.COM, SEATTLE, WA

Built a web-based management tool for Amazon.com's Subscribe &
Save feature. Used Flex, JRuby on Rails, Java and MySQL.

Jan 2008 – May 2010

TEACHING ASSISTANT

CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA
TA'ed algorithm classes (200, 400 level) and Computer Networks class.
Taught recitation section, held office hours and graded labs and exams.

May 2007 – Jun 2007

DEVELOPER INTERN

THE WIZARDWORKS, SEOUL, KOREA

Built web-based widgets with PHP and the API of the company.

Mar 2003 – Feb 2005

RESEARCH ASSISTANT

SEOUL NATIONAL UNIV / KAIST, SEOUL / DAEJEON, KOREA
Developed a leakage power minimization technique for arithmetic circuits.

PUBLICATIONS

SUYASH SHRINGARPURE, **DAEGUN WON**, ERIC XING,
"StructHDP: Automatic inference of number of clusters from
admixed genotype data" INTELLIGENCE SYSTEMS FOR
MOLECULAR BIOLOGY (ISMB), 2011

DAEGUN WON, TAEWHAN KIM, "Improvement to the Leakage
Power Minimization Techniques for Arithmetic Circuits,"
INTERNATIONAL SOC CONFERENCE (ISOC), 2005

DAEGUN WON, TAEWHAN KIM, "Design of Arithmetic
Architecture with Leakage Power Minimization," KISS AUTUMN
THESIS CONFERENCE, VOL. 1, PP.535-537, 2004

LEADERSHIP

Aug 2009 – present

BOARD MEMBER, KOREA STUDENT ASSOCIATION (KSAP)

Organized events and career info sessions.

Mar 2005 – Feb 2006

TEAM LEADER, YOUTH RESEARCH PROJECT

"Time-Table Scheduling using Genetic Algorithm" Project

Mar 2005 – Feb 2006

FOUNDER & PRESIDENT, COMPUTATIONAL GEOMETRY CLUB

Weekly seminars supervised by 3 professors from KAIST.

Mar 2003 – Feb 2005

TEAM LEADER, RESEARCH & EDUCATION PROJECT

Best work award winner. Supervised weekly by professors from
Seoul National University and KAIST