

Youngwoon Lee

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EDUCATION

Korea Advanced Institute of Science and Technology M.S. in Computer Science GPA: 4.02/4.30	Feb 2011 - Feb 2013 Daejeon, Korea
Korea Advanced Institute of Science and Technology B.S. in Computer Science, <i>summa cum laude</i> Minor in Mathematics GPA: 4.14/4.30 (major), 3.94/4.30 (cumulative)	Feb 2007 - Feb 2011 Daejeon, Korea
Gyeonggi Science High School Graduate in 2 years	Mar 2005 - Feb 2007 Suwon, Korea

RESEARCH INTERESTS

Computer vision and machine learning, and their applications to information retrieval;
Image search and large-scale retrieval.

PUBLICATIONS

Journal papers

1. None.

Conference papers

1. Youngwoon Lee, Jae-Pil Heo, and Sung-Eui Yoon. Quadra-Embedding: Binary Code Embedding with Low Quantization Error. To appear in *Proceedings of the Asian Conference on Computer Vision (ACCV)*, Daejeon, Korea, November 2012. (**oral presentation**, 3.6% acceptance rate)
2. Jae-Pil Heo, Youngwoon Lee, Junfeng He, Shih-Fu Chang, and Sung-Eui Yoon. Spherical Hashing. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Providence, RI, June 2012.

AWARDS AND HONORS

- Doctoral Fellowship, Korea Foundation for Advanced Studies (KFAS), 2011-2012
- Google Prize Scholarship, Google, 2009
- Merit-based Scholarship, KAIST, 2008-2010
- National Science & Technology Scholarship, Korea Science and Engineering Foundation (KOSEF), 2007-2010
- Honorable Mention, ACM-ICPC 2010 World Finals, Harbin, China, 2010
Team: Nondeterminist

- Grand Prix, ACM-ICPC 2009-2010 Seoul Regional Contest, Seoul, Korea, 2009
Team: Nondeterminist
- 49th place, ACM-ICPC 2009 World Finals, Stockholm, Sweden, 2009
Team: So Hot
- 4th place, ACM-ICPC 2008-2009 Seoul Regional Contest, Seoul, Korea, 2008
Team: So Hot
- 83rd place, Google Code Jam 2008 APAC local onsite, Google, 2008
ID: LYW

TEACHING EXPERIENCE

Teaching Assistant Korea Information Science Society Training camp for International Olympiad in Informatics	Summer 2008-2012 Suwon, Korea
Teaching Assistant at KAIST KAIST, Department of Computer Science CS330 Introduction to Operating System (Instructor: Insik Shin)	Fall 2011 Daejeon, Korea
Teaching Assistant at KAIST KAIST, Department of Computer Science CS206 Data Structure (Instructor: Otfried Cheong)	Spring 2011 Daejeon, Korea
Instructor Gyeonggi Province Office of Education Training course for Korea Olympiad in Informatics	Jun 2008-2011 Suwon, Korea
Instructor at KAIST KAIST Leadership class for freshmen 'Jang-Gu'	2009 Daejeon, Korea

WORK EXPERIENCE

Problem Setter of Korea Olympiad in Informatics (KOI) Korea Information Science Society	Jul 2008-2012 Seoul, Korea
Problem Setter of ACM-ICPC Daejeon Regional 2010 KAIST	Oct 2010 Daejeon, Korea

TECHNICAL STRENGTHS

Computer Languages	C/C++, Matlab, JAVA, Python
Tools	Vim

MISCELLANEOUS

Korea Internet Volunteer National Information Society Agency Educate Moroccan students about IT and Korean culture	Jul 2010 - Aug 2010 Rabat, Morocco
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