

Taeg Sang (Tim) Cho

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Education

- Massachusetts Institute of Technology** Cambridge, MA
Ph.D., Electrical Engineering and Computer Science Jun 2007 – Sep 2010
GPA : 5.0 / 5.0
- Thesis title: *Motion Blur Removal in Photographs*
 - Developed machine learning algorithms and imaging electronics for image analysis and restoration
 - Devised automatic jigsaw puzzle solver for photo editing tasks: object removal, object rearrangement
 - Designed and engineered artificial intelligent system for automatic skin cancer detection
- S.M. Electrical Engineering and Computer Science* Sep 2005 – Jun 2007
GPA : 5.0 / 5.0
- Thesis title: *An Energy Efficient CMOS Interface to Carbon Nanotube Sensor Arrays*
 - Designed and implemented integrated chip for world's most power efficient chemical sensor system
 - Investigated sensor specifications for extreme power efficiency; Initiated collaboration with device research group
- Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, South Korea
B.S. Electrical Engineering Mar 2002 – Aug 2005
GPA : 4.14 / 4.3
- Top rank in the School of Engineering
 - Received Hyundai Motors bronze award for developing an automatic automobile parking system

Selected Work Experience

- WilmerHale** Boston, MA
Technology specialist Sep 2010 – present
- Analyze inventions, draft patent applications, and respond to office actions in front of the USPTO
 - Assist litigation attorneys in developing litigation strategy
- Microsoft Research – Interactive Visual Media Group** Redmond, WA
Research intern May 2009 – Aug 2009
- Analyzed and exploited typical characteristics of natural images for image deblurring and denoising
- Adobe Systems Inc. – Creative Technologies Lab** Newton, MA
Research intern May 2008 – Aug 2008
- Developed image editing techniques using the idea of solving jigsaw puzzles; filed two US patents
- The KAIST Herald** Daejeon, South Korea
Staff reporter Mar 2002 – Feb 2005
- Served as desk editor of “Science and Technology”; published research review articles for non-experts

Patents and Publications

3 US patents pending; drafted invention disclosures; discussed inventions with attorneys; proof-read patent applications
10 first-authored papers; 3 co-authored papers; Detailed list of patents and publications available upon request

Selected Awards and Honors

- IEEE Conference on Computer Vision and Pattern Recognition Outstanding Reviewer Award 2010
IEEE Conference on Computer Vision and Pattern Recognition Best Poster Paper Award 2008
Design Automation Conference / International Solid-State Circuits Conference Student Design Contest Award 2008
IEEE Custom Integrated Circuits Conference Student Paper Award: Student Scholarship 2007
Samsung Scholarship Foundation – Graduate Research Fellowship 2005 – 2010
General Electric Foundation – Undergraduate Scholarship 2004 – 2005
Korea Foundation for Advanced Studies – Undergraduate Scholarship 2003 – 2005

Activities and Professional Services

- Reviewer for research papers in circuit design / computer graphics / computer vision 2007 – present
MIT CSAIL Student Workshop – Poster / Demo Session Chair 2007
MIT Graduate Student Council – EECS Representative 2006 – 2008
MIT EECS Graduate Students Association – Executive Committee 2006 – 2008
Harvard Project for Asian and International Relations, KAIST Chapter – Executive Committee 2004 – 2005
Stroke (Tennis club at KAIST) – Captain 2002 – 2005

Personal

Fluent in Korean; United States permanent resident; Second-round qualifier in the piano competition *1999 Piano Driedaagse*, Rotterdam, Netherlands (played Chopin Polonaise Op 53 “Heroique”); Supporter of *Save the Children* (2008 – present); Volunteer for *Little Brothers - Friend of the elderly* (2006 – present)