

## Sunghoon Im (Male)

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CONTACT INFORMATION	1989/02/07 (Male) Room 211, Bldg N1, KAIST 291 Daehak-ro, Yuseong-gu, Daejeon 305-701 Republic of Korea	Tel.: +82-10-3533-1405 Tel.: +82-42-350-5465 E-mail: <a href="mailto:shim@rcv.kaist.ac.kr">shim@rcv.kaist.ac.kr</a> <a href="https://sites.google.com/site/shimrcv/">https://sites.google.com/site/shimrcv/</a>
RESEARCH INTERESTS	<ul style="list-style-type: none"><li>• 3D Reconstruction</li><li>• Stereo matching</li><li>• Computational photography</li></ul>	
EDUCATION	<b>KAIST</b> , Daejeon, Korea  M.S. Student, Electrical Engineering <ul style="list-style-type: none"><li>• Advisor: Prof. In So Kweon</li><li>• GPA: 3.81/4.3</li></ul> <b>Sogang University</b> , Seoul, Korea  B.S., Electronic Engineering, Feb 2014 <ul style="list-style-type: none"><li>• Advisor: Prof. Gyeonghwan Kim</li><li>• Summa cum laude (GPA: 3.91/4.3)</li></ul>	
RESEARCH EXPERIENCES	<b>KAIST</b> , Daejeon, Korea <i>Research Assistant</i> , Robotics and Computer Vision Laboratory <ul style="list-style-type: none"><li>• Advisor: Prof. In So Kweon.</li><li>• Researched computer vision algorithms, especially for 3D reconstruction and stereo matching.</li></ul> <b>Sogang University</b> , Seoul, Korea <i>Research Assistant</i> , Man Machine Interface Laboratory <ul style="list-style-type: none"><li>• Advisor: Prof. Gyeonghwan Kim.</li><li>• Researched computer vision algorithms, especially for driver monitoring system.</li></ul>	Mar 2014 – present  Jun 2013 – Feb 2014
PUBLICATIONS	<b>International Conference</b> <ol style="list-style-type: none"><li>1. <b>Sunghoon Im</b>, Hyowon Ha, Gyeongmin Choe, Hae-Gon Jeon, Kyungdon Joo and In So Kweon, “High Quality Structure from Small Motion for Rolling Shutter Cameras”, <i>In Proc. of IEEE International Conference on Computer Vision (ICCV)</i>, Dec 2015.</li><li>2. <b>Sunghoon Im</b>, Hae-Gon Jeon, Hyowon Ha and In So Kweon, “Depth Estimation from Light Field Cameras”, <i>In Proc. of the 12th International Conference on Ubiquitous Robots and Ambient Intelligence (URAI)</i>, Oct 2015.</li><li>3. Dong-jin Kim, Donggeun Yoo, <b>Sunghoon Im</b>, Namil Kim, T. Sirinukulwattana and In So Kweon, “Relative Attributes with Deep Convolutional Neural Network”, <i>In Proc. of the 12th International Conference on Ubiquitous Robots and Ambient Intelligence (URAI)</i>, Oct 2015.</li><li>4. <b>Sunghoon Im</b>, Gyeongmin Choe, Hae-Gon Jeon and In So Kweon, “Depth from Accidental Motion using Geometry Prior”, <i>In Proc. of IEEE International Conference on Image Processing (ICIP)</i> [Top 10% paper], Sep 2015.</li></ol>	

## Other Publications

1. **Sunghoon Im**, Hyowon Ha, Gyeongmin Choe, Hae-Gon Jeon, Kyungdon Joo and In So Kweon, “Structure from Small Motion for Rolling Shutter Cameras”, *International Workshop on Robust Computer Vision (IWRCV)* [Best poster award], Nov 2015.

### HONORS & AWARDS

- Best Poster Award, IWRCV 2015 General Chair Nov 2015
- Official Best 10% Paper Selection, ICIP 2015 Organizing Committee Sep 2015
- Summa Cum Laude, Sogang University Feb 2014
- Design project competition(Silver Prize), Sogang University Nov 2013
- Scholarship, Sogang alumni association Feb 2012 – Feb 2013
- Scholarship, Korea Scholarship Foundation Feb 2012 – Feb 2014
- Prize for the top first percentile GPA, Sogang University Sep 2011, Feb 2012, Sep 2012

### EXPERIENCES

#### Teaching Experience

- EE209, Programming Structure for Electrical Engineering Fall 2014
- Volunteer work, Mathematics at an orphanage Feb 2008 – Feb 2009

#### Extra Experience

- Presenter, The 10th International Workshop on Robust Computer Vision (**IWRCV 2015**), Beijing, China Nov 2015
- Presenter, Korea Electronic Show (**KES 2015**), Ilsan, Korea Oct 2015
- Presenter, IEEE International Conference on Image Processing (**ICIP 2015**), Quebec, Canada Sep 2015
- Presenter, NVIDIA GTC Korea 2015, Seoul, Korea Sep 2015

### IT SKILLS

- Languages: C, C++, MATLAB,  $\LaTeX$