

## Sunghoon Im (Male)

---

|                      |  |  |
|----------------------|--|--|
| CONTACT INFORMATION  | 1989/02/07 (Male)<br>Room 211, Bldg N1, KAIST<br>291 Daehak-ro, Yuseong-gu, Daejeon 305-701<br>Republic of Korea   | Tel.: +82-10-3533-1405<br>Tel.: +82-42-350-5465<br>E-mail: <a href="mailto:shim@rcv.kaist.ac.kr">shim@rcv.kaist.ac.kr</a><br><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<br><br>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<br><br>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<br><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<br><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<br><br>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>, Sep 2015.</li></ol> |  |

|                    |   |                     |
|--------------------|---|---------------------|
| HONORS &<br>AWARDS | • Best term-project award in Computer Vision class, KAIST   | Dec 2014            |
|                    | • Summa Cum Laude, Sogang University  | Feb 2014            |
|                    | • Design project competition(Silver Prize), Sogang University   | Nov 2013            |
|                    | • Prize for the top first percentile GPA, Sogang University   | Sep 2012            |
|                    | • Scholarship, Sogang alumni association  | Feb 2012 – Feb 2013 |
|                    | • Prize for the top first percentile GPA, Sogang University   | Feb 2012            |
|                    | • Scholarship, Korea Scholarship Foundation   | Feb 2012 – Feb 2014 |
|                    | • Prize for the top first percentile GPA, Sogang University   | Sep 2011            |
| EXPERIENCES        | <b>Teaching Experience</b>  |                     |
|                    | • EE209, Programming Structure for Electrical Engineering   | Fall 2014           |
|                    | • Volunteer work, Mathmetics at an orphanage  | Feb 2008 – Feb 2009 |
|                    | <b>Extra Experience</b>   |                     |
|                    | • Attended, Korean Conference on Computer Vision( <b>KCCV 2015</b> ),<br>Seoul, Korea                         | Feb 2015            |
|                    | • Attended, The 24th Workshop on Image Processing and Image Understanding( <b>IPIU 2015</b> ),<br>Jeju, Korea | Feb 2015            |
|                    | • Attended, The 9th International Workshop on Robust Computer Vision( <b>IWRCV</b> ),<br>Univ of Tokyo, Japan | Dec 2014            |
|                    | • Attended, International Conference on 3D Vision( <b>3DV 2014</b> ),<br>Univ of Tokyo, Japan                 | Dec 2014            |
|                    | • Student volunteer, Korea Robotics Society Annual Conference( <b>KROC 2014</b> ),<br>Buyeo, Korea            | Jun 2014            |
| IT SKILLS          | • Languages: C, C++, MATLAB, $\LaTeX$   |                     |
|                    |   |                     |