



## EDUCATION

**MIT Media Lab, PhD** Sep 2013 - Present Fluid Interfaces Group (w/ Pattie Maes) GPA 5.0/5.0  
**KAIST, MS** Feb 2008 - Jan 2010 EE [3D Computer Vision, Pattern Recognition] GPA 4.12/4.3  
**KAIST, BS** Mar 2004 - Feb 2008 EE, Cum Laude, National Science and Technology Scholarship GPA 3.52/4.3  
**Gyeonggi Science High School** Mar 2002 - Feb 2004

## WORK EXPERIENCE

**Microsoft Research Studio 99** Jun 2014 - Aug 2014 Artist in Residence / Research Intern  
**Samsung Electronics** Feb 2010 - Apr 2013  
Software Engineer at Telecommunication Systems Division Feb 2010 - Apr 2013  
Creativity Lab - *eyeCan* Project Oct 2011 - Apr 2012

## PUBLICATION

**S. Leigh**, H. Agrawal, and P. Maes. *Robotic Symbionts: Interweaving Actions by Human and Machine Extensions*, **IEEE Pervasive Computing - Special Issue [Augmenting Humans] (To Appear)**  
**S. Leigh**, K. Parekh, T. Denton, W.S. Peebles, M.H. Johnson, and P. Maes. *Morphology Extension Kit: A Modular Robotic Platform for Physically Reconfigurable Wearables*, **TEI 2018 (To Appear)**  
**S. Leigh**, and P. Maes. *Morphological Interfaces: On Body Transforming Technologies*, **Alt.CHI 2017**  
**S. Leigh**, H. Sareen, H.L.C. Kao, X. Liu, P. Maes. *Body-Borne Computers as Extensions of Self*, **Computers 6 (1)**  
**S. Leigh**, and P. Maes. *Body Integrated Programmable Joints Interface*, **CHI 2016 (Best Paper Honorable Mention)**  
**\*S. Leigh**, \*H. Agrawal, and P. Maes. *A Flying Pantograph: Interleaving Expressivity of Human and Machine*, **TEI 2016 Arts Exhibition**  
\*H. Agrawal, **\*S. Leigh**, and P. Maes. *L'evolved: autonomous and ubiquitous utilities as smart agents*, **Ubicomp 2015**  
**S. Leigh**, P. Schoessler, F. Heibeck, P. Maes, H. Ishii. *THAW: Tangible Interaction with See-Through Augmentation for Smartphones on Computer Screens*, **TEI 2015**  
**S. Leigh**, A. Roseway, A. Paradiso. *Remnance of Form: Altered Reflection of Physical Reality*, **TEI 2015 Arts Exhibition**  
P. Schoessler, **S. Leigh**, K. Jagannath, P. van Hoof, H. Ishii, *Cord Uls: Controlling Devices with Augmented Cables*, **TEI 2015**  
W. Kim, **S. Leigh**, N. Hur, J. Choi, *Feature-based detection of inverted-stereo for stereoscopic 3D viewing comfort*, **IEEE trans. on Broadcasting**, Jun 2012

## EXHIBITION

SIGGRAPH Asia 2017 Art Gallery - *Remnance of Form* Nov 27 - 30 2017  
MIT Hacking Arts 2016 - *A Flying Pantograph* Nov 12 2016  
TEI 2016 Arts Exhibition - *A Flying Pantograph* Feb 14 - 17 2016  
MIT Hubweek - *A Flying Pantograph (prototype)* Oct 8 2015  
CHI 2015 Art Gallery/Interactivity - *Remnance of Form* May 18 - 23 2015  
TEI 2015 Arts Exhibition - *Remnance of Form* Jan 17 - 18 2015  
Microsoft Research Studio 99 - *Remnance of Form* Aug 22 - Sep 16 2014

## AWARD

Robotic Symbionts - Honorable Mention, Experimental/Student Categories, 2017 Fast Company Innovation by Design Awards Sep 11 2017  
CAMIT (Council for Arts at MIT) Grant 2017  
Cord Uls - Winner, Students Category, 2015 Fast Company Innovation by Design Awards Sep 14 2015  
THAW - Finalist, Experimental Category, 2015 Fast Company Innovation by Design Awards Sep 14 2015  
Samsung Social Responsibility Award, Samsung Electronics Dec 2012

## TALK / MEDIA selected

Media **Neural Issue 56**, Intelligently Weak, A Flying Pantograph in "new media" section May 5 2017  
Media **Technology Review (Ger)**, Zwei Hände sind nicht genug Jul 2016  
Media **The Creators Project**, A Flying Pantograph Mar 8 2016  
Media **BBC**, Back to the Future: What will technology really look like? Oct 21 2015  
Talk **Sebasi + PAN**, *Imagine by Inventing* Nov 20 2014  
Media **WIRED**, *MIT's Slick New UI Lets Your Phone and Desktop Screens Behave as One* Sep 24 2014  
Talk **Seoul Digital Forum**, *Samsung's eyeCan + Eyewriter: Co-writing a Recipe for Collaboration* May 1 2013  
Talk *A Story about Technology that Changes Lives*, **Busan Tech Plus Forum** May 24 2012  
Talk *Developing an DIY Eye-Mouse for ALS Patients*, **TEDxSamsung 2nd Conference** COEX, Aug 16 2011