

I solve engineering, education, and art problem with my engineering background and ability of others. I love interacting with people and getting inspired through various projects such as research, design, art work, and education. Through technological and humanistic point of view, I've been trying to create inspirational experience.

## Professional Experience

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**Samsung Electronics, Digital Appliances Division, Core Component R&D Lab** Jan 2019 – Present  
Mechanical Design Intern

Analyze spring and damper mounted hinge and deploy the result on interactive data platform to simplify design process. Propose possible mechanical improvements of mass produced hinge through computational analysis.

**Sovoro** Jan 2018 – Apr 2018  
Communications Manager

Conducted UI/UX research and design of the service, catalog design, and market research. Engaged in business activity related with public institution, educational institution, and people with hearing loss.

**Korea Foundation for the Advancement of Science & Creativity** May 2016 – Jan 2018  
Science Communicator

Gave talk, performed science street performance, and acted science play only for adults as a finalist of the FameLab Korea and science communicator commissioned by minister of Ministry of Science & ICT.

**Asan Medical Center, Biomedical Engineering Research Center** Aug 2017 – Oct 2017  
Research Intern

Designed concept prototype of Ankle Rehabilitation Assistant which analyzes ankle torque and provides rehabilitative movement.

## Leadership Experience

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**POSTECH, Department of Mechanical Engineering** Jan 2016 – Mar 2017  
Student President

Directed student membership training, professor appreciation banquet, association program with KAIST and founded basketball and badminton club.

## **POSTECH, Student Election Committee**

Sep 2016 – Nov 2016

Chairman

Organized the student election committee and run the election for central student president.

## **TEDxPOSTECH**

Nov 2014 – Nov 2015

Director

Organized TEDx event under the theme 'question' with 6 speakers. Regular application was fully booked in 50 seconds after opening. Conducted team building, speaker and sponsor contact, stage planning and host at the event.

# **Education**

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## **Bachelor of Science in Mechanical Engineering**

2014 – Present

Pohang University of Science and Technology (POSTECH)

Have minor in Industrial management engineering. Expect to graduate with *Magna Cum Laude*

# **Awards and Honors**

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## **Commission Letter**

2016

Minister of Ministry of Science & ICT commissioned me as a science communicator

## **Finalist**

2016

Nationwide Top 11 of the 3<sup>rd</sup> FameLab Korea

## **Runners up**

2017

Artience Creation Challenge 30x30, 30 hours Hackathon project, hosted by British Council

## **Honorable Mention**

2015

3 Minute Science Speech Contest hosted by POSTECH

## **Student of the Year**

2015, 2016

POSTECH, Department of Mechanical Engineering

## **The 4<sup>th</sup> Prize**

2016

The 2<sup>nd</sup> POSTECH Hackathon

## **National Academic Excellence Scholarship**

2016 – Present

Korea Student Aid Foundation

## **KT&G Foundation Scholarship**

2016

POSTECH

## **Jigok Scholarship**

2014 – 2016

POSTECH

# Skills and Tools

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## Programming Language

C, C++, JAVA, HTML, CSS, JavaScript, MATLAB

## Graphic Design

Adobe Photoshop, Illustrator, Premiere, After Effects, InDesign

## 3D Design & Analysis

Solidworks, NX

# Selected Talks

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| Keynote Speech, " <i>About Experience</i> " , <b>POSTECH Alumni Conference for Freshman</b> , Pohang                                      | 2018 |
| Keynote Speech, " <i>Engineering and Science Communication</i> ", <b>The 5th Integrated Science Leading Teacher Training</b> , Yeongcheon | 2016 |
| Keynote Speech, " <i>About Science Communication</i> ", <b>National Youth Science Exploration Competition</b> , Gyeongju                  | 2016 |
| Talk, " <i>Regain the lost life</i> ", <b>Suseong-gu Gosan Library</b> , Daegu  | 2018 |
| Talk, " <i>Regain the lost life</i> ", <b>KIST Science Station</b> , Seoul  | 2017 |
| Talk, " <i>Space food</i> ", <b>The 13th Bohyeonsan Starlight Festival</b> , Yeongcheon   | 2016 |
| Talk, " <i>Science, Engineering and Me</i> ", <b>Seongji Highschool</b> , Yongin  | 2017 |
| Talk, " <i>Communicate with Science</i> ", <b>Mulgeum High School</b> , Yangsan   | 2017 |
| Talk, " <i>Talk with Odd Engineering Student</i> ", <b>Samsung Girl's High School</b> , Busan   | 2017 |