

I am an engineer creating inspirational experience and pragmatic solution through technology. I love interacting with people and getting inspired through various projects such as research, design, art work, and education. With my major background and experiences, I've been trying to embrace and create meaningful work.

Professional Experience

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

Analyze two-spring damper hinge and deploy it on calculation system to simplify design process. Also simulate FEM on mass produced hinge to propose possible mechanical improvements.

Sovoro Jan 2018 – Apr 2018
Communications Manager

Conducted UI/UX design of the service, catalog design, market research, and 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 scientific street performance, and acted scientific play targeting adults as a finalist of 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 Robot, inspired by Anklebot.

Leadership Experience

POSTECH, Student Election Committee Sep 2016 – Nov 2016
Chairman

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

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.

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

Bachelor of Science in Mechanical Engineering

2014 – Present

Pohang University of Science and Technology (POSTECH)

Minor Industrial management engineering. Expect to graduate with *Magna Cum Laude*

Awards and Honors

Commission Letter

2016

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

Finalist

2016

Nationwide Top 11 of the 3rd 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 4th Prize

2016

The 2nd 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

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

Keynote Speech, "About Experience", **POSTECH Alumni Conference for Freshman**, Pohang

2018

Keynote Speech, "Engineering and Science Communication", **The 5th Integrated Science Leading Teacher Training**, Yeongcheon

2016

Keynote Speech, "About Science Communication", **National Youth Science Exploration Competition**, Gyeongju

2016

Talk, "Regain the lost life", **Suseong-gu Gosan Library**, Daegu

2018

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| Talk, " <i>Regain the lost life</i> ", KIST Science Station , Seoul | 2017 |
| Talk, " <i>Space food</i> ", The 13th Bohyeonsan Starlight Festival , Yeongcheon | 2016 |
| Talk, " <i>Science, Engineering and Me</i> ", Seongji Highschool , Yongin | 2017 |
| Talk, " <i>Communicate with Science</i> ", Mulgeum High School , Yangsan | 2017 |
| Talk, " <i>Talk with Odd Engineering Student</i> ", Samsung Girl's High School , Busan | 2017 |