

# Jinhyuk Yoon

## POSTECH, Haptics and Virtual Reality Laboratory

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I'm a science communicator, interaction designer, and engineer building interactive experience through tactile manipulation. I'm interested in a tactile interface which would bridge between the world of digital and analog to bring a new paradigm of education. To broaden an insight for education, I've been participating in various projects such as start-up business, talk, performance, volunteer and art work. With deep interests in technology and education, I have been trying to create meaningful experience.

## Professional Experience

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### Geekble

Mar 2019 – Present

Communications Manager

Creating attractive video contents to deliver science knowledge in new media platform.

### POSTECH, Haptics and Virtual Reality Laboratory

Feb 2019 – Present

Research Intern

Developing a pneumatic haptic device to provide interactive tactile experiences.

### Samsung Electronics, Digital Appliances Division, Core Component R&D Lab

Jan 2019 – Feb 2019

Mechanical Design Intern

Analyzed mechanical property of spring and damper hinge mounted in oven door.

Deployed the analysis result on interactive data platform to simplify design process.

### 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 staged science play only for adult as a finalist of the FameLab Korea and a science communicator commissioned by minister of Ministry of Science & ICT.

### Asan Medical Center, Biomedical Engineering Research Center

Aug 2017 – Sep 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)

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 hosted by British Council

### **Honorable Mention**

2015

3 Minutes 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

POSTECH

2016

## Jigok Scholarship

POSTECH

2014 – 2016

## 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 High School</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

## Publications

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### To My Students, To My Teachers

Andrea Sohn and Jinhyuk Yoon, The Korea Fulbright Infusion, Vol 6, 2013, 39 – 41.

### TEDxPOSTECH Brightened by Passion

Jinhyuk Yoon, POSTECHIAN, Winter, 2015, 34 – 35.

### About Mechanical Engineering

Jinhyuk Yoon, POSTECHIAN, Spring, 2016, 30 – 31.

## 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