

# Jinhyuk Yoon

## Geekble

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I'm a science communicator and engineer developing methods for effective and easy communication of knowledge. My works such as talks for public speaking, making activities for elementary education, stage performances and video art have been successfully delivering knowledge about science and technology to the children, student and public. With communication skills and experience in human-computer interaction, I aspire to develop a tangible interface and related activities which leverage immersive learning experience.

## Professional Experience

### Geekble

Project Manager

Mar 2019 – Present

Leading an on-stage talk business for students focused on science and hands-on activities based on YouTube videos.

### POSTECH, Haptics and Virtual Reality Laboratory

Undergraduate Research Assistant

Feb 2019 – Aug 2019

Conducted hardware prototyping, sensing system calibration, and user experiment design for augmenting programmable feels of physical buttons with vibrotactile feedback. Advisor: Seungmoon Choi.

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

Mechanical Design Intern

Jan 2019 – Feb 2019

Simplified design process of creating an appliance and helped engineers to explain mechanical phenomena to other division members through Interactive Torque Designer which interprets dynamics with an uncomplicated graphic.

### Sovoro

Communications Manager

Jan 2018 – Apr 2018

Improved educational circumstance of hearing impaired as allowing them to understand the contents of usual class or seminar through conducting UI/UX research and designing the real-time transcript software.

### Korea Foundation for the Advancement of Science & Creativity

Science Communicator

May 2016 – Jan 2018

Succeeded effective understanding on the knowledge of mechanical engineering for elementary, middle school, high school students and adult through public speech and stage performance with participation of audience.

### Asan Medical Center, Biomedical Engineering Research Center

Research Intern

Aug 2017 – Sep 2017

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

## **Leadership Experience**

### **POSTECH, Department of Mechanical Engineering**

Jan 2016 – Mar 2017

Student President

Requested for improvement and opening of major classes based on the students' needs and directed departmental level of general meeting, student membership training, professor appreciation banquet, and the first inter-university association program with KAIST.

### **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 talk conference that sold out after 50 seconds of opening sign-ups through team building, speaker and sponsor contact, stage planning and facilitating on the event.

## **Education**

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

2014 – Present

Pohang University of Science and Technology (POSTECH)

Candidate for Minor in Industrial Management Engineering.

Expect to graduate with Magna Cum Laude.

Bachelor Thesis Project: Book Borrowing Robot.

## **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 3<sup>rd</sup> FameLab Korea

### **Runners Up**

2017

Artience Creation Challenge 30x30 hosted by British Council Korea

### **Honorable Mention**

2015

3 Minutes Science Speech Contest hosted by POSTECH

### **Student of the Year**

2015, 2016

POSTECH, Department of Mechanical Engineering

<b>The 4<sup>th</sup> Prize</b> The 2 <sup>nd</sup> POSTECH Hackathon	2016
<b>National Academic Excellence Scholarship</b> Korea Student Aid Foundation, Full-tuition	2016 – 2019
<b>KT&amp;G Foundation Scholarship</b> POSTECH	2016
<b>Jigok Scholarship</b> POSTECH, Full-tuition	2014 – 2016

## **Selected Talks**

Talk, " <i>About Experience</i> ", <b>POSTECH Senior Conference for Freshman</b> , Pohang	2018, 2019
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**

### **To My Students, To My Teachers**

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

### **About Mechanical Engineering**

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

### **TEDxPOSTECH Brighten by Passion**

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

## **Skills and Tools**

### **Programming Language**

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

### **Graphic Design**

Adobe Photoshop, Illustrator, Premiere, After Effects, InDesign

### **3D Design & Analysis**

Solidworks, NX