

Jinhyuk Yoon

Geekble

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I'm a science communicator and engineer developing education contents through the use of my engineering background so people can physically participate and can learn scientific knowledge effectually. With deep interests in technology and education, the aspiration to develop tangible interface and education curriculum originated from experience of science communication and expertise of human-computer interaction. Through these interface and curriculum, I want to expand digital learning, such as video lecture or programming, into tangible and empirical experience.

Professional Experience

Geekble

Mar 2019 – Present

Curriculum Development Manager

Developing experience-based science curriculum about chemistry and artificial intelligence for middle school students using making activity, science experiment, and YouTube video contents.

POSTECH, Haptics and Virtual Reality Laboratory

Feb 2019 – Present

Research Intern

Developing a pneumatic haptic device to provide tactile experiences through shape changing.

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

Jan 2019 – Feb 2019

Mechanical Design Intern

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

Sovoro

Jan 2018 – Apr 2018

Communications Manager

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

May 2016 – Jan 2018

Science Communicator

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

Aug 2017 – Sep 2017

Research Intern

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

Leadership Experience

POSTECH, Department of Mechanical Engineering

Jan 2016 – Mar 2017

Student President

Directed departmental level of general meeting, student membership training, and 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 closed after 50 seconds of regular application 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.

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 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 4th Prize

2016

The 2nd POSTECH Hackathon

National Academic Excellence Scholarship

2016 – 2019

Korea Student Aid Foundation

KT&G Foundation Scholarship

POSTECH

2016

Jigok Scholarship

POSTECH

2014 – 2016

Selected Talks

Keynote Speech, " <i>About Experience</i> ", POSTECH Alumni Conference for Freshman , Pohang	2018
Keynote Speech, " <i>Engineering and Science Communication</i> ", The 5th Integrated Science Leading Teacher Training , Yeongcheon	2016
Keynote Speech, " <i>About Science Communication</i> ", National Youth Science Exploration Competition , Gyeongju	2016
Talk, " <i>Regain the lost life</i> ", Suseong-gu Gosan Library , Daegu	2018
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 High School , 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

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 Brightened by Passion

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

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