

## EDUCATION

### **Korea Advanced Institute of Science and Technology**

*Doctor's degree in Physics*

March, 2019 -

### **Korea Advanced Institute of Science and Technology**

*BS in Physics and Electrical Engineering(double major) Summa Cum Laude*

2015 - 2019

## AWARDS

President's Science Fellowship of Korea

Spring, 2015 – Fall, 2019

## WORK EXPERIENCE

### **Graduate Student at JYlab**

Fall, 2019 –

- Numerical simulation of the quench dynamics of the spinor condensate
- Developing laser and RF system for atomic physics research

### **Individual Research at JLab**

Fall, 2017 – Spring, 2019

- Developing Inverse design method for photonic system using deep-learning
- Numerical optimization of the photonic structures
- <http://jlab.kaist.ac.kr>

## WORK EXPERIENCE

### **Graduate Student at JYlab**

Fall, 2019 –

- Numerical simulation of the quench dynamics of the spinor condensate
- Developing laser and RF system for atomic physics research

## EXTRA

- Member of the KAIST robot design club MR

## OTHER SKILLS

**Programming Language:** Python, Matlab, C, C#

**Language:** Korean(Native), English(Advanced?)