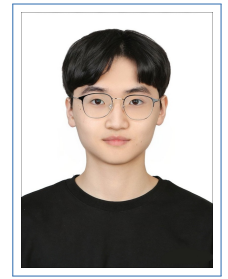


# Songwoo Kim, BE

## Curriculum Vitae

Rm # 362, ChangJo-hall  
1 Yeonsedae-gil, Heungeop-myeon, Wonju-si  
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### Current Position

Feb. 2022 **BE**, Dept. of Computer Engineering, Yonsei University  
– present

### Education

Jan. 2022 **AD**, Dept. of Computer Engineering, Dongyang-miare University

### Research Areas and Expertise

- Optimization Theory
- Robot Modeling and Control
- Robotic Path Planning
- Reinforcement Learning

### Selected Recent Publications

#### Conference proceedings

- 1 **S. W. Kim**, D. H. Sim, J. Kim, J. H. Yoo, H. J. Jung, and H. U. Yoon, "Three Finger Robotic Platform for Demonstrating Dexterous Manipulations," in *Proceedings of Korean Institute of Intelligent Systems*, Apr. 2023.
- 2 D. H. Sim, **S. W. Kim**, and H. U. Yoon, "Virtual Environment Design for Learning from Demonstration to Solve Patience Cube," in *Proceedings of Korean Institute of Intelligent Systems*, Apr. 2023.
- 3 J. H. Yoo, H. J. Jung, J. Kim, D. H. Sim, **S. W. Kim**, and H. U. Yoon, "Solving the C-shaped ring type Patience Cube as Planning Problem," in *Proceedings of Korean Institute of Intelligent Systems*, Apr. 2023.

### Project-Based Research Keywords

- Learning from Demonstration

#### Members

Fall 2022– **IEEE Robotics and Automation Society**

### Job Experiences

#### Academic

2022 – **Research assistant**, Human Assistive Neurorobotics lab  
present

### Honor and Awards

#### Academic

- Apr. 2023 **Best Paper Award**, *Korean Institute of Intelligent Systems*, Jeju, South Korea  
Title: Virtual Environment Design for Learning from Demonstration to Solve Patience Cube
- Apr. 2023 **Best Paper Award**, *Korean Institute of Intelligent Systems*, Jeju, South Korea  
Title: Three Finger Robotic Platform for Demonstrating Dexterous Manipulations
- Apr. 2023 **Best Paper Award**, *Korean Institute of Intelligent Systems*, Jeju, South Korea  
Title: "Solving the C-shaped ring type Patience Cube as Planning Problem"

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## Programming Skill

- C/C++/C#/Java/Python
- MATLAB/Mathematica/SPSS
- Unity3D/Blender/Crystal Space (with Oculus Rift and Leap Motion)
- Expert in developing application programs both Window and Linux environment