

# Chemin Ahn

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Birth: 1998.12.22

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Portfolio:

<https://second-sun-ea6.notion.site/Chemin-Ahn-s-Portfolio-3339d7913a494f1da10d233a9272f6c8>



## Education

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- Bachelor of Science in Mechanical Engineering  
Incheon University, Incheon, South Korea (2018.03~2020.02)(Transfer to Chungang University)  
Chungang University, Seoul, South Korea (2020.03-2025.02)
  - Major in Mechanical Engineering
  - 3.84 / 4.50 GPA
- Master Course of Science in Mechanical Engineering  
Sungkyunkwan University – Robotics Innovatory Lab(Prof. HyouckRyeol Choi)

## Research Interest

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- Vision Based Manipulation
  - Vision Based Learning Manipulation
  - Visual Servoing
  - Learning Based Manipulator Control
  - Mobile Manipulator

## Projects

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- Visual Servoing at Doosan Robotics (Robot Control Team Intern)  
([https://youtu.be/9UFAdaa\\_PR8](https://youtu.be/9UFAdaa_PR8))
- Project for assisting pharmaceutical preparation and autonomous delivery using cobot and AMR  
([https://youtu.be/-mTXpCWZacl?si=YXC8AwRQ8FV\\_uN9S](https://youtu.be/-mTXpCWZacl?si=YXC8AwRQ8FV_uN9S))
- Finding the optimal sensor for AMR and analyzing driving characteristics by algorithm combinations  
(<https://youtu.be/whuUySDWIwA>)
- Design light weight passive wearable suit for logistic workers
- Design light weight battle robot
- Electromagnetic levitation PID control
- EMG sensor data Filtering
- Encoder DC motor PID control
- Maze escape using OD based autonomous drone  
<https://youtu.be/EgOY924IYAs>

## Additional Experience

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- Doosan Robotics Robot Control Team intern: 2024.07.01~10.04
- AI-Robotics Academy(KG-Kairos): 2023.12.19~24.06.17
- Undergraduate research student: 2022.12.22~2023.02.28
  - Passive Wearable Suit for logistics worker

## Related Courses

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- Dynamics
- System Dynamics
- Control Systems Engineering
- Mechatronics
- Robotics
- Numerical Methods
- Design and Analysis of Experiments
- System Control Experiments
- Visual Programming

## Awards

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- Capstone Design Contest – 2<sup>nd</sup> prize (2024.06)
- AI-Robotics Academy KG-Kairos (KG ICT) – 2<sup>nd</sup> prize (2024.06)

## Language Skills

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- English: fluent (reading, listening); intermediate (speaking, writing)
  - TOEIC Speaking: 140(IH)

## Additional Link

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- Github: <https://github.com/Chemx3937>
- Youtube: <https://www.youtube.com/@%EC%B3%84-r3i>