

Ubin Ahn (안유빈) CV

## Education

*Seoul National University, Korea* 2021.03 ~

Major: Mechanical Engineering

Minor: Statistics

GPA 3.7/4.3

*Universitat Politecnica de Catalunya, Spain* (exchange) 2023 Spring

*Peking University, China* (exchange) 2024 Fall

## Interests

General learning algorithms

## Projects

### *Lab projects*

project 1 (Multiphase Flow and Flow Visualization Lab, SNU) 2023 Fall ~ 2024 Spring

Separating and tracking particle trajectories with Kalman filter

Modeling shapes in 3d to track particle orientations

ICTAM poster presentation

project 2 (UROP undergrad research program, Multiphase Flow and Flow Visualization Lab, SNU) 2024 Spring

Triangulation, visual hull and voxel method to reconstruct bubble shape and trajectory

### *Relevant course projects*

project1 (ML course) 2024 Fall

Study of grokking phenomenon in various neural networks

project 2 (Stochastic Process course) 2024 Fall

Study of Potts model through Markov Chain Monte Carlo Simulations

project 3 (Mechatronics course) 2023 Fall

Poker card sorting and distributing machine

## Others

Python, Matlab, R

English (proficient) / Spanish, Chinese (intermediate)