Jaewon Jang

Master student, DDFE LAB
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github | linkedin
Webpage

Education

Undergraduated student, INHA University
Incheon, S.Korea | Mar. 2018 - Feb. 2025

- Mechanical Engineering
- GPA: 3.95 / 4.5
- Major GPA: 4.12 / 4.5
- Total Credits: 150

Master student, INHA University
Incheon, S.Korea | Mar. 2025 - Present

- Mechanical Engineering

Experience

Undergraduated student, INHA University
Incheon, S.Korea | Mar. 2018 - Feb. 2025

- Object classification (human, vehicle, and labeled/unlabeled wastes) with YOLO
- PEMFC 0-dimensional modeling with MATLAB - calculates Ohmic, Concentration losses
- Convolutional Neural Network based Dynamometer Driver - Simulating and performance checking with WLTC cycle
- Pollution separate in pipe fluids - Construct IOT sensor system with Node-RED
- Physics-informed Neural Networks for prediction of steady-states Airfoil flowfields

Master student, DDFE Lab. (INHA University)
Incheon, S.Korea | Mar. 2025 - Present

- Generative AI for prediction of wafer-scale process non uniformity @SAMSUNG Inc.

Squad leader, Ground Operations Command at Republic of Korea Army
Yongin, S.Korea | Feb. 2020 - Aug. 2021

- 20mm Vulcan Anti-Aircraft Gun Operator & Administrative Clerk

Skills

- **Programming Languages:** Python, MATLAB, C++ (Basic)

- **Frameworks/Libraries:** PyTorch, scikit-learn, NumPy, Node-RED

- **Tools:** LaTeX, OpenFOAM, PointWise,

Awards and Honors

- 2022-1 Vertically Integrated Projects, Grand prize, Inha University (Jun. 2022)

- 2022-2 Vertically Integrated Projects, Grand prize, Inha University (Dec. 2022)

- 2022 Inno Think Mackathon, Grand prize, POSCO EnC (Jan. 2023)

- 2024 ICT Convergence Project Competition, Participation Award, NTREX (Jul. 2024)