

# Yewon Shin

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## EDUCATION

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Aug. 2023 ~ Present	<b>Gwangju Institute of Science and Technology</b> AI Graduate School  <i>Master Student</i>	Gwangju, Korea
Sep. 2021 ~ Present	<b>Pusan National University</b> Department of information convergence engineering  <i>Advisor: Sunyoung Kwon</i>  <i>Master Student</i> GPA: 4.31 / 4.5	Busan, Korea
Mar. 2017 ~ Aug. 2021	<b>Pusan National University</b> Department of Molecular biology  <i>B.S. in Molecular biology, Chemistry</i> GPA: 3.84 / 4.5	Busan, Korea

## PUBLICATIONS (SCIE/ESCI)

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1. MinChae Kang, Minsoo Kim, Min Wook Kim, Yewon Shin, Jejoong Yoo, Sang Hak Lee, "Aggregation or Phase Separation can be Induced in Highly Charged Protein by Small Charged Biomolecules", *SOFT MATTER*, (2022)

## PUBLICATIONS (DOMESTIC)

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1. 신예원, 문기성, 정영석, 권선영, "의료 과학 연구를 위한 설명가능 그래프 인공 신경망", 정보과학회논문지, (2022)

## PATENTS

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1. 배순식, 하홍구, 권선영, 신예원, "전립선암 예측용 바이오마커 조성물, 이를 이용한 키트 및 이를 이용한 정보 제공방법", KR-Application No. 10-2024-0014540 (출원)

## CONFERENCES

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1. Dong Seung Shin, Janghee Lee, Jong-Ho Cheun, Jun-Hee Lee, Yewon Shin, Soong June Bae, Eunhye Kang, Sunyoung Kwon, Han-Byoel Lee, Jai Min Ryu, Sung Gwe Ahn, "Machine Learning-based Risk Prediction for Late Distant Recurrence in Young Women with ER+HER2- Breast

- Cancer", ASCO Annual Meeting, Chicago, America (Jun. 2023) - (Under review)
2. 신예원, 노다솜, 권선영, "분자 성질 예측을 위한 멀티 모달 분자 표현형 학습", KSC2022, Jeju, Korea (Dec. 2022) - Oral
  3. 문기성, 신예원, 강전일, 권선영, "다제내성 결핵균 예측을 위한 다중레이블 분류 모델 연구 ", KCC2022, Jeju, Korea (Jun. 2022) - Oral
  4. 손연경, 신예원, 권선영, "분자 그래프 신경망 기반 설명 가능한 인공지능 비교 연구", KCC2023, Jeju, Korea (Jun. 2023) - Oral

## TEACHING EXPERIENCES

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### LG DIC Program(LG Electronics Inc., Changwon, April 2022)

Teaching Assistance

- Conducting machine learning basics and practical classes and served as a mentor for machine learning projects using factory data.

### Programming Principles and Practices (Fall 2021)

Teaching Assistance

- School of Biomedical Convergence Engineering, Pusan National University

### Machine Learning (Spring 2022)

Teaching Assistance

- School of Biomedical Convergence Engineering, Pusan National University

## SKILLS AND TECHNIQUES

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- Python, Tensorflow, Pytorch, PyG, RDkit