

Yoonseok Yeom

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📍 Seoul, South Korea

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Experience

LG CNS , AI Researcher / AI Engineer, Agentic AI Business Team - Research on AI in academia and industry. - Agentic AI product development: general-purpose prebuilt agents. - MCP tool development.	Seoul, South Korea Jan 2026 – present 8 months
Causality Lab, Graduate School of Data Science, Seoul National University , Graduate Researcher (Industry-Academia Collaborative Research with LG AI Research) Advised by Prof. Sanghack Lee. - Causal inference with causal generative models in time-series. - Causal discovery with LLM prior information. - Scalable causal discovery.	Seoul, South Korea Mar 2024 – Feb 2026 2 years
LIM Lab, Korea University , Research Intern Advised by Prof. Sungbin Lim. - Participated in LLM-based causal discovery research, contributing through to publication. - Causal representation learning with a human-resource prediction model.	Seoul, South Korea Aug 2023 – Feb 2024 7 months
Korea University , Undergraduate Research Intern Advised by Prof. Yoonjung Joo. - Research on bioinformatics datasets and preprocessing. - GeneBert project: built 2D gene expression matrices from Synapse and UKB omics data using PrediXcan weights.	Seoul, South Korea Mar 2022 – Dec 2022 10 months
Curigin Inc. , Researcher, Bioinformatics Team - Developed a scoring and weight-validation algorithm for bi-specific siRNA, fitting efficacy with polynomial linear regression. - Built a web-crawling-based automation system for gene expression pathway analysis on top of the ENRICHR database. - Preprocessed and annotated an siRNA database, mapping RNA/CDS sequences to produce the final mapping output.	Seoul, South Korea June 2021 – Mar 2022 10 months

Activities

- **KUBIG — Korea University Data Science & AI Society**, Member and 18th President (Jan 2022 – Jan 2024). Led five ML/DL projects: image super resolution (EDSR, SwinIR, RRDB+), news topic classification (RoBERTa, KoELECTRA), and weather-based prediction tasks. As president, organized the curriculum for incoming members and ran study groups and seminars; members won 12 competition awards during the term.
- **BEAT — Department of Biomedical Engineering, Korea University**, Biosensor Team Lead (Sep – Dec 2021). Studied biomarkers and biosensors for brain disease diagnosis, and built an experimental database from published papers.

Education

Seoul National University , Data Science - GPA: 4.02 / 4.30 - Causality Lab, advised by Prof. Sanghack Lee. - Research area: causal discovery, causal generative models in time-series.	Seoul, South Korea Mar 2024 – Feb 2026
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Korea University, Biomedical Engineering
• GPA: 4.11 / 4.50
• Interdisciplinary major in Artificial Intelligence.

Seoul, South Korea
Mar 2018 – Feb 2024

Publications

Estimating Interventional Outcomes over Time with Causal Normalizing Flow

Co-first author. Accepted at UAI 2026. Joint work with LG AI Research.

Yoonseok Yeom, Jonghwan Kim, et al.

openreview.net/forum?id=EuwsW9vL8S

Breaking Bad: Component-Wise Parent Deletion for Score-Based Causal Discovery

Accepted at UAI 2026. Joint work with LG AI Research.

Min Woo Park, Taehui Yun, et al.

openreview.net/forum?id=oxdOxCxgCu

On Incorporating Prior Knowledge Extracted from Large Language Models into Causal Discovery

Chanhui Lee, Juhyeon Kim, et al.

ieeexplore.ieee.org/document/11220238

Awards

3rd Award, 2023 K-DS Conference Hackathon

Nov 2023

Big-data-based projection of the school-age population, proposing a model more accurate than the cohort-component method used by Statistics Korea.

K-DS Conference Organizing Committee

Grand Prize, 2020 Korea University Pandemic Blockchain Ideathon

Nov 2020

"Vaccination certification and blockchain-based vaccine manufacturing and distribution data" — combining decentralized identifiers with smart contracts for traceability.

Institute of Cyber Security & Privacy, Korea University

3rd Prize, 2020 AI Idea Competition with Cancer Big Data

Nov 2020

A model predicting depressive symptoms in cancer patients, using Gower-similarity-based PAM clustering to label depression severity.

National Cancer Center

Certificates

Claude Certified Developer – Foundations (valid until 2027-08-03)

Aug 2026

PCCP Python3 Lv.2

Dec 2025

OPIc English — IH (Intermediate High), valid until 2027-08-30

Aug 2025