

TAEHYUN YANG

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EDUCATION

Seoul National University

B.S in Computer Science and Engineering, Business Administration

Seoul, Korea

Spring 2021 - Present

University of Illinois Urbana-Champaign

B.S in Electrical Computer Engineering (withdrawn)

Urbana, Illinois

Fall 2017 - Winter 2018

PUBLICATIONS

Offsetting Perceptual Bias in Visual Clustering: The Role of Point Size Adjustment in Variable Display Sizes

Taehyun Yang, Hyeon Jeon, and Jinwook Seo, Submitted to IEEE VIS '24

Using LLMs to Investigate Correlations of Conversational Follow-up Queries with User Satisfaction

Hyunwoo Kim, Yoonseo Choi, **Taehyun Yang**, Honggu Lee, Chaneon Park, Yongju Lee, Jinyoung Kim and Juho Kim, Submitted to SIGIR '24 Short Paper

UMATO: Two-phase Manifold Approximation for Accurate, Scalable, and Stable Dimensionality Reduction

Hyeon Jeon, Hyung-Kwon Ko, Soohyun Lee, Jake Hyun, **Taehyun Yang**, Gye-hun Go, Jaemin Jo, and Jinwook Seo, Submitted to IEEE TVCG

RESEARCH EXPERIENCE

Undergraduate Intern, **KIXLAB, KAIST**

Jan. 2023 - Present

Topic: Enhancing Conversational Search Through Real World User Interaction Analysis at Scale

Collaborated with the Cue Team at Naver to refine their Large Language Model (LLM) for conversational search engine applications.

Advisor: Juho Kim

Workshop Speaker, **K-VIS Workshop, Korea Software Congress 2023**

Dec. 2023

Topic: Exploring Visual Perception and Cluster Granularity

Chairman of the Committee: Jinwook Seo

Undergraduate Intern, **SNU HCI Lab, Seoul National University**

Aug. 2023 - Present

Topic: The Bigger They Are, The Finer We See: Exploring Size in Visual Clustering Perception

Advisor: Jinwook Seo

Research Intern, **Tech4Good Lab, University of California, Santa Cruz,**

Jun. - Dec. 2023

Topic: Causeway: Enhancing Real-World Contributions in Web Development Learning using Micro-Role Hierarchies and Subgoal Labels

Advisor: David Lee

Undergraduate Research Project, **SNU HCI Lab, Seoul National University** *Jan. - Jun. 2023*
Topic: Uniform Manifold Approximation with Two-phase Optimization
Advisor: Hyeon Jeon

Research Intern, **Immersive Software, Samsung Electronics MX Division** *Jan. - Feb. 2023*
Topic: Deep learning-based algorithms for Galaxy cameras
Advisor: Wonyeong Jang

Research Intern, **Korea Insight Institute** *Dec. 2020 - Jul. 2021*
Topic: Market research for ADAS and Fintech companies
Advisor: Dukjin Kim

HIGHLIGHTED WORK EXPERIENCES AND EXTRACURRICULAR ACTIVITIES

Mentor, **LG AI Youth Camp** *Feb. 2024 - Present*
Acted as a mentor in the LG AI Youth Camp to lead middle school students brainstorm and develop AI solutions to real world problems. Facilitated growth in students' creative problem-solving and understanding of AI

Undergraduate TA, **Basic Computing: First Adventures in Computing** *'Sep. 2023 - Present*
Helped students in basic python programming as an undergraduate teaching assistant

Judge/Planning Team, **SNUPS** *Jan. 2023 - Dec.2023*
Joined as a member for SNUPS, a club that learns about efficient algorithms and problem solving. Designed individual PS questions and acted as a judge for the International Collegiate Programming Contest- Korea 2023.

President, **BAB Acoustic Club** *Aug. 2021 - Jul. 2022*
Acted as the president for an acoustic music club in SNU that resulted in 3 concerts and 2 street performance volunteers for SNU charity events

Founder, **Team Spit** *Jul. 2021 - Dec. 2022*
Led a small team of 5 to create a music based social platform service (1500 users) and a new language exchange platform (300 users)

Military Service, **Ministry of Gender Equality and Family** *Mar. 2019 - Dec. 2020*
Served as a social service agent for the Ministry of Gender Equality and Family.

Journalist, **Do-Live** *Jan. 2019 - Aug. 2019*
Served as a trilingual intern journalist (Chinese, Korean, English) at the tech journalism/consulting group Do-live during CES 2019 in Las Vegas.

Vice President, **UIUC Autonomous Drone Club** *Jul. 2018 - Dec. 2018*
Acted as the vice president of an ECE based Drone club where we designed and developed the algorithm and hardware necessary to build an autonomous drone

AWARDS AND SCHOLARSHIPS

LG AI Mentorship Scholarship, Seoul National University and LG Discovery Lab

- Participated as a mentor in the "LG AI Youth Camp"
- Awarded a mentorship scholarship of 2,000,000 KRW (before taxes) to lead student's development in AI application

Undergraduate Research Grant, Seoul National University

- Granted by SNU Undergraduate Research Program (URP)
- Topic: The Bigger They Are, The Finer We See: Exploring Size in Visual Clustering Perception

SNU-SEC Semiconductor Research Program Fellowship, Samsung Electronics

- Awarded by Samsung Research
- Chosen due to outstanding performance in semiconductor-related courses and research

First place award in K-Startup Competition, Korean Ministry of Culture, Sports and Tourism

- Presented Team Spit, a social platform for social gathering collaboration with musicians, at the competition.
- Granted 10,000,000 KRW as the first place prize

Academic Excellence Scholarship, Seoul National University