TAEHYUN YANG

taehyun2017330@gmail.com ◇ https://github.com/taehyun2017330

EDUCATION

Seoul National University   Seoul, Korea
B.S in Computer Science and Engineering, Business Administration   *Spring 2021 - Present*

University of Illinois Urbana-Champaign   Urbana, Illinois
B.S in Electrical Computer Engineering (withdrawn)   *Fall 2017 - Winter 2018*

PUBLICATIONS

UMATO: Two-phase Manifold Approximation for Accurate, Scalable, and Stable Dimensionality Reduction
Hyeon Jeon, Hyung-Kwon Ko, Soohyun Lee, Jake Hyun, **Taehyun Yang**, Gyehun Go, Jaemin Jo, and Jinwook Seo, Submitted to IEEE TVCG '23

Exploring the Impact of Cluster Features on Visual Clustering Dynamics
Taehyun Yang, Hyeon Jeon, and Jinwook Seo, Scheduled to submit to IEEE VIS '24

RESEARCH EXPERIENCE

Undergraduate Intern, **SNU HCI Lab, Seoul National University**   *Aug. 2023 - Present*
Topic: Exploring the Impact of Cluster Features on Visual Clustering Dynamics
Advisor: Jinwook Seo

Research Intern, **Tech4Good Lab, University of California, Santa Cruz,**   *Jun. - Present*
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

WORK EXPERIENCES AND EXTRACURRICULAR ACTIVITIES

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 - Present*
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.

Group Study sub-leader, **NFT + Metaverse Studies**   *Jan. 2021 - Oct. 2022*
Led a group of professionals ranging from professors, movie directors, artists, to businessmen on a collaborative social event where I give a weekly presentation of English based studies and research papers
about NFT and Metaverse trends in Korean.

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

Member, **AAA SNU Climbing club**   *Aug. 2021 - Feb. 2022*
Joined as a member for SNU's climbing club. Learned about taking initiative and working as a team
to surpass large obstacles.

Founder, **Team Spit**   *Jul. 2021 - Oct. 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*
Contributed as an analyst and intern journalist for the Las Vegas CES 2019 in a tech journalism/consultant
group Do-live.

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

Intern, **Webasto Group**   *Jan. 2017 - Mar. 2017*
Worked as an intern in a German Automobile manufacturing company, Webasto. Learned about the
company's manufacturing processes and gained in person factory management experience.

AWARDS AND SCHOLARSHIPS

SNU-SEC Semiconductor Research Program Fellowship
Samsung Electronics

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

Academic Excellence Scholarship 2021
Seoul National University