Daeheon Jeong

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INTERESTS	Human-AI Interaction, Learning Science, Accessibility, Visualization,

EDUCATION

Sogang University, Seodaemun-gu, Seoul, South Korea — Mar 2020 – Feb 2024

- B.A. in Economics, B.S.E. in Convergence Software
  - GPA: 4.11 / 4.3 *(Class Rank: 1 / 96)*

RESEARCH EXPERIENCE

KIX Lab, School of Computing, KAIST — Dec 2023 – Present
Student Researcher

Advisor: Prof. Juho Kim
Focus: Language Model, Model Evaluation, Human-AI Interaction.

Lifestyle Media Group, Art & Technology, Sogang University — Jan 2022 – Feb 2024
Student Researcher

Advisor: Prof. Yongsoon Choi
Focus: Conversational Agent, Accessibility, Human-AI Interaction.

- Project: Collaborative Conversational Agent Design for Museum Learning
  Led team of five students on design research of museum conversational agent for learning artwork.
- Project: Interactive Dial Interface for Low-Vision Individuals' Reading
  Progressed design study on a screen reader control using brushless DC motors

Naver Labs, Naver Corporation — Jun 2023 – Dec 2023
Undergraduate Intern

Advisors: Dr. Giseop Kim and Dr. Sunwook Choi
Focus: Data Visualization, Real-Time Communication, Human-Robot Interaction

- Project: Positional Uncertainty Visualization on Teleoperation Scenarios
  Researched multivariate positional uncertainty visualization of robots position for decision-making.

Semantic Graph, Graduate School of Economics, Sogang University — Nov 2021 – Jun 2023
Research Assistant

Advisor: Prof. Moonki Hwang
Focus: Graph Neural Network, Data Visualization

- Project: Graph-Based Curricula Generation for K-12 Education
  Progressed graph convolution network development for a curricula generation based on behavioral data.

PUBLICATIONS

CONFERENCE PAPERS

[1] D. Jeong, F. Reuting, and H. Jeong, "Auditory Map Generation Using Boundary Detection in a Web Environment." *Proceedings of HCI Korea 2022*, pp. 869–871, Feb 2022.

[2] D. Jeong, Y. Kim, J. Park, and M. Cho "Spatial Screen Reader Using Touch Interface for Visually Impaired" *Proceeding, Korea Software Congress 2022*, pp. 1798–1800, Dec 2022.

AWARDS & SCHOLARSHIPS

- **Student Research Grant**, Center for Convergence Education — Sep 2022 – Jun 2023
  Funding Grant for Independent Undergraduate Research [*$3,300*].

- **Startup Grant**, Yonsei Preliminary Start-up Competition — Mar 2023
  Funding Grant for a Start-up (As Part of Team Healthier). [*$22,800*].

- **Awardee**, Sogang Convergence Technology Competition. — Dec 2022, Jun 2023
  Sogang University, Ministry of Education, and National Research Foundation
  - Topic: Conversational Museum Audio Guide (1st place).
  - Topic: Assistive Touch Screen Interface for Low Vision (3rd place).

- **Alumni Scholarship**, Sogang Alumni Foundation — Jun 2021, Jun 2022, Dec 2022
  Merit and Need Based.

- **Study Abroad Scholarship**, DB Kim Jun Ki Cultural Foundation — Jun 2022 – Aug 2022
  Scholarship Grant for Harvard Summer School [*$16,250*].

	▪ **Creative Award**, HCI Korea 2022 Best Paper Nominee, Capstone Project.	Feb 2022
	▪ **Dean's List**, College of Economics Semester GPA of Top 5% in College.	Jun 2020, Dec 2021

WORK EXPERIENCE

Naver Financial, Naver Corporation   Jan 2023 – Mar 2023
Software Engineer Intern

OTHER PROJECTS

Project Lead, Low-Vision User Studies, Independent   Mar 2023 – Nov 2023
- Co-organized weekly usability study sessions with three low-vision individuals.
- Investigated common themes within low-vision accessibility challenges

Project Lead, Capstone Design II. College of Engineering. Sogang University   Sep 2022 – Dec 2022
Advisor: Prof. Youngmin Chung
- Led a team of four on the research of an assistive touch-screen interface.
- Published a paper and made a poster presentation via the Korea Software Congress.

Project Lead, UI/UX Design, Art & Technology, Sogang University   Sep 2021 – Dec 2021
Advisor: Prof. Yongsoon Choi
- Led a team of three on the research of auditory transformation of web information.
- Published a paper and made a poster presentation via the HCI Korea Conference.

ACTIVITIES

Swimming Club, Sogang University   Sep 2022 – Feb 2024
Member

Healthier, Sinchon Student Start-Up Community   Feb 2022 – Mar 2023
Founding Member
- Collaborated in 3D interface design for patients to interactively convey the symptoms.

Student Society of Economic Studies, Sogang University.   Sep 2020 – Sep 2021
Member
- Participated in group review and presentation of economic journals (JEP, AER).

SERVICES

Reviewer
- CHI (2024)
- HRI (2024)

Teacher, Youth Group, Community Church   Jan 2023 – Present

Military Police, National Air Force (Mandatory Service)   Mar 2018 – Feb 2020

SKILLS

- **Programming**: C/C++, Javascript, Python
- **Web Development**: Typescript, React.js, Three.js, D3.js, WebGL, WebRTC
- **Design**: Figma, Photoshop, Illustrator, Fusion 360, Davinci Resolve, After Effect
- **Miscellaneous**: Pytorch, Tensorflow, ROS, GLSL, LaTeX

[CV compiled on 2024-08-01]