

Daeheon Jeong

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INTERESTS	Human-AI Interaction, Visualization, Human-Robot Interaction, Accessibility.	
EDUCATION	Sogang University , Seodaemun-gu, Seoul, South Korea	Mar 2020 – Feb 2024
	<ul style="list-style-type: none">▪ B.A. in Economics, B.Sc. in Software Convergence<ul style="list-style-type: none">• Cumulative GPA: 4.11 / 4.3	
	Harvard University , Cambridge, Massachusetts, USA	Jun 2022 – Aug 2022
	<ul style="list-style-type: none">▪ Harvard Summer School<ul style="list-style-type: none">• GPA: 4.0 / 4.0	
RESEARCH EXPERIENCE	Naver Labs , Naver Corporation Undergraduate Intern Advisors: Dr. Giseop Kim and Dr. Sunwook Choi Focus: Data Visualization, Real-Time Communication, Human-Robot Interaction <ul style="list-style-type: none">▪ Project: Autonomous Vehicle Positional Awareness Visualization <i>Modulized GIS data visualization via ROS. Real-time point-cloud rendering using WebRTC.</i>▪ Project: Positional Awareness Augmentation on Tele-Operation Scenarios <i>Conducted investigative research aimed at augmenting positional awareness in tele-operation settings.</i>	Jun 2023 – Present
	Lifestyle Media Group , Art & Technology, Sogang University Student Researcher Advisor: Prof. Yongsoon Choi Focus: Conversational Agent, Accessibility, Human-AI Interaction. <ul style="list-style-type: none">▪ Project: Pedagogic Conversational Agent Design for Museum Learning <i>Led team of five students on design research of conversational agent as an audio guide in museums.</i>▪ Project: Interactive Dial-Based Reading Interface for BLV Users <i>Conducted design study on a dial-based reading interface using BLDC motors.</i>	Jan 2022 – Present
	Semantic Graph , Graduate School of Economics, Sogang University Research Assistant Advisor: Prof. Moonki Hwang Focus: Graph Neural Network, Language Model, Data Visualization <ul style="list-style-type: none">▪ Project: Graph-Based Educational Content Recommendation for K-12 (In Partnership with Visang Education) <i>Assisted development of graph convolution network for a content recommendation based on behavioral data.</i>	Nov 2021 – Jun 2023
PUBLICATIONS	CONFERENCE PAPERS <ul style="list-style-type: none">[1] <u>D. Jeong</u>, F. Reuting, and H. Jeong, “Auditory Map Generation Using Boundary Detection in a Web Environment.” <i>Proceedings of HCI Korea 2022</i>, pp. 869–871, Feb 2022.[2] <u>D. Jeong</u>, Y. Kim, J. Park, and M. Cho “Spatial Screen Reader Using Touch Interface for Visually Impaired” <i>Proceeding, Korea Software Congress 2022</i>, pp. 1798–1800, Dec 2022. WORK IN PROGRESS <ul style="list-style-type: none">[3] <u>D. Jeong</u>, S. Jeon, J. Min, C. Cho, D. Lim, and Y. Choi, “A Conversational Audio Guide in Museum” (Anonymized Title), <i>Under review at CHI 2024</i>[4] <u>D. Jeong</u>, G. Kim, S. Choi, and J. Jeon, “Uncertainty Visualization of Robotic Vehicle” (Anonymized Title), <i>Working towards HRI 2024 LBR</i>	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none">▪ Student Research Funding, Center for Convergence Education Funding Grant for Independent Undergraduate Research [\$3,300].▪ Recipient, Yonsei Preliminary Start-up Competition Funding grant for a start-up project. As part of team Healthier [\$22,800].▪ Award Winner, Sogang Convergence Technology Competition Sogang University, Ministry of Education, and National Research Funding	Sep 2022 – Jun 2023 Mar 2023 Dec 2022, Jun 2023

	<ul style="list-style-type: none"> • Topic: Conversational Museum Audio Guide (1st place). • Topic: Assistive Touch Screen Interface for BLV users (3rd place). 	
	<ul style="list-style-type: none"> ▪ Alumni Scholarship, Sogang Alumni Foundation Based on both merit and need. 	Jun 2021, Jun 2022, Dec 2022
	<ul style="list-style-type: none"> ▪ Top School Challenger, DB Kim Jun Ki Cultural Foundation Scholarship Grant for Harvard Summer School [\$16,250]. 	Jun 2022 – Aug 2022
	<ul style="list-style-type: none"> ▪ Creative Award, HCI Korea 2022 Best Paper Nominee, Capstone Project. 	Feb 2022
	<ul style="list-style-type: none"> ▪ Dean's List, College of Economics For attaining a semester GPA of top 3% in college. 	Jun 2020, Dec 2021
WORK EXPERIENCE	Naver Financial , Naver Corporation Software Engineer Intern <ul style="list-style-type: none"> ▪ Engaged in migrating legacy repository to new environment operating through server-side rendering. ▪ Participated in ground-up service deploying workflow, cooperating with multiple stakeholders. 	Jan 2023 – Mar 2023
OTHER PROJECTS	Project Lead , BLV User Studies, Independent <ul style="list-style-type: none"> ▪ Participated in weekly user experience study sessions with 3 BLV team members. ▪ Conducted an investigation into recurring challenges encountered by BLV users on daily life. 	Mar 2023 – Present
	Project Lead , Capstone design II. College of Engineering. Sogang University Advisor: Prof. Youngmin Chung <ul style="list-style-type: none"> ▪ Led team of four on the development of a touch-based web navigation assistant via UI component classification. ▪ Published the paper and made poster presentation via the Korea Conference on Software Engineering. 	Sep 2022 – Dec 2022
	Project Lead , UI/UX design, Art & Technology, Sogang University Advisor: Prof. Yongsoon Choi <ul style="list-style-type: none"> ▪ Led a team of three with a project about translating graphical information to auditory information via boundary detection. ▪ Published the paper and made poster presentation via HCI Korea Conference. 	Sep 2021 – Dec 2021
ACTIVITIES	Swimming Club , Sogang University Member Healthier , Sinchon Student Start-Up Community Founding Member <ul style="list-style-type: none"> ▪ Healthier is a startup focused on providing preemptive diagnosis prior to the visit to doctor's office. (In partnership with Yonsei Severance Hospital) ▪ Developed a interactive 3D interface to help the users specify their symptoms visually. 	Sep 2022 – Present Feb 2022 – Mar 2023
	Student Society of Economic Studies (Moseori) , Sogang University. Member <ul style="list-style-type: none"> ▪ Participated on group review and presentation on academic papers from the field of economics (JEP, AER). 	Sep 2020 – Sep 2021
SKILLS	LANGUAGE <ul style="list-style-type: none"> ▪ Korean: Native language. ▪ English: Fluent. PROGRAMMING <ul style="list-style-type: none"> ▪ Language: C/C++, Javascript, Python ▪ Web Development: Typescript, React.js, Three.js, D3.js, WebGL, WebRTC, WASM ▪ Other Framework: Pytorch, Tensorflow, ROS, GLSL, \LaTeX DESIGN <ul style="list-style-type: none"> ▪ Interface: Figma, Photoshop, Illustrator ▪ Miscellaneous: Davinci Resolve, Fusion 360, After Effect 	

[CV compiled on 2023-11-20]