

# Daeheon Jeong

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INTERESTS	Human-AI Interaction, Visualization, Multi-Modal LLM, Accessibility.	
EDUCATION	<b>Sogang University</b> , Seodaemun-gu, Seoul, South Korea	Mar 2020 – Feb 2024
	<ul style="list-style-type: none"><li>▪ B.A. in Economics, B.Sc. in Software Convergence<ul style="list-style-type: none"><li>• Cumulative GPA: 4.11 / 4.3</li></ul></li></ul>	
	<b>Harvard University</b> , Cambridge, Massachusetts, USA	Jun 2022 – Aug 2022
	<ul style="list-style-type: none"><li>▪ Harvard Summer School<ul style="list-style-type: none"><li>• GPA: 4.0 / 4.0</li></ul></li></ul>	
RESEARCH EXPERIENCE	<b>Naver Labs</b> , Naver Corporation	Jun 2023 – Present
	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"><li>▪ Project: Autonomous Vehicle Positional Awareness Visualization <i>Modulized GIS data visualization via ROS. Real-time point-cloud rendering using WebRTC.</i></li><li>▪ Project: Positional Awareness Augmentation on Tele-Operation Scenarios <i>Conducted investigative research aimed at augmenting positional awareness in tele-operation settings.</i></li></ul>	
	<b>Lifestyle Media Group</b> , Art & Technology, Sogang University	Jan 2022 – Present
	Student Researcher	
	Advisor: Prof. Yongsoon Choi	
	Focus: Conversational Agent, Accessibility, Human-AI Interaction.	
	<ul style="list-style-type: none"><li>▪ 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></li><li>▪ Project: Interactive Dial-Based Reading Interface for BLV Users <i>Conducted design study on a dial-based reading interface using BLDC motors.</i></li></ul>	
	<b>Semantic Graph</b> , Graduate School of Economics, Sogang University	Nov 2021 – Jun 2023
	Research Assistant	
	Advisor: Prof. Moonki Hwang	
	Focus: Graph Neural Network, Language Model, Data Visualization	
	<ul style="list-style-type: none"><li>▪ 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></li></ul>	
PUBLICATIONS	CONFERENCE PAPERS	
	<ul style="list-style-type: none"><li>[1] D. Jeong, 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.</li><li>[2] D. Jeong, 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.</li></ul>	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"><li>▪ Student Research Funding, Center for Convergence Education</li></ul>	Sep 2022 – Jun 2023
	Funding Grant for Independent Undergraduate Research [\$3,300].	
	<ul style="list-style-type: none"><li>▪ Recipient, Yonsei Preliminary Start-up Competition</li></ul>	Mar 2023
	Funding grant for start-up [\$40000]	
	<ul style="list-style-type: none"><li>▪ Award Winner, Sogang Convergence Technology Competition</li></ul>	Dec 2022, Jun 2023
	Sogang University, Ministry of Education, and National Research Funding	
	<ul style="list-style-type: none"><li>• Topic: Conversational Museum Audio Guide (1st place).</li><li>• Topic: Assistive Touch Screen Interface for BLV users (3rd place).</li></ul>	
	<ul style="list-style-type: none"><li>▪ Alumni Scholarship, Sogang Alumni Foundation</li></ul>	Jun 2021, Jun 2022, Dec 2022
	Based on both merit and need.	
	<ul style="list-style-type: none"><li>▪ Top School Challenger, DB Kim Jun Ki Cultural Foundation</li></ul>	Jun 2022 – Aug 2022
	Scholarship Grant for Harvard Summer School [\$16,250].	

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

[CV compiled on 2023-11-06]