

Hyeonjeong Byeon

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EDUCATION

University of Washington, Seattle, WA Ph.D., Human Centered Design and Engineering (Advisor: Profs. Gary Hsieh & Sean A. Munson)	<i>Sep 2023 - Present</i>
Ewha Womans University, South Korea B.S., Computer Science and Engineering (Minor in Statistics)	<i>Mar 2019 - Aug 2023</i>
University of Toronto, Canada Exchange Student	<i>Sep 2021 - Dec 2021</i>

RESEARCH EXPERIENCE

Intentional Traces Collective Lab , University of Washington Graduate Research Assistant (PI: Prof. Sean A. Munson)	<i>Jan 2024 - Present</i>
Prosocial Computing Group , University of Washington Graduate Research Assistant (PI: Prof. Gary Hsieh)	<i>May 2023 - Present</i>
Dynamic Graphics Project Lab , University of Toronto Undergraduate Research Assistant (PI: Prof. Khai N. Truong)	<i>Sep 2021 - Sep 2022</i>
Human-Computer Interaction Laboratory , Ewha Womans University Undergraduate Research Assistant (PI: Prof. Uran Oh)	<i>Jul 2020 - Sep 2023</i>

PUBLICATIONS AND PRESENTATIONS

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- [1] **Hyeonjeong Byeon**, Seungjin Ha, Uran Oh. 2023. AVOCUS: A Voice Customization System for Online Personas. In *Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI '23 Extended Abstracts)*. [📄](#)
 - [2] Suhyeon Yoo, Georgianna Lin, **Hyeonjeong Byeon**, Amy Hwang, Khai Truong. 2023. Understanding tensions in music accessibility through song signing for and with d/Deaf and Non-d/Deaf persons. In *CHI Conference on Human Factors in Computing Systems (CHI '23)*. [📄](#)
 - [3] **Hyeonjeong Byeon***, Chaerin Lee*, Jeemin Lee, Uran Oh. 2022. "A Voice that Suits the Situation": Understanding the Needs and Challenges for Supporting End-User Voice Customization. In *CHI Conference on Human Factors in Computing Systems (CHI '22)*. [📄](#)
 - [4] **Hyeonjeong Byeon**. 2021. Voice Creator: Giving Customized Voice to the Voiceless for Online Communication. In *The 23rd International ACM SIGACCESS Conference on Computers and Accessibility Student Research Competition (ASSETS' SRC 21)*. [📄](#)
 - [5] **Hyeonjeong Byeon**, Soohyun Yeo, Uran Oh. 2021. Voice Creator: A Vocal Customization Web Application Prototype. In *2021 Korea Information Processing Society Spring Conference No. 28, Vol. 1*. [📄](#)
 - [6] **Hyeonjeong Byeon**, Uran Oh. 2021. Comparing Performance of Pre-trained Bidirectional Language Models. In *Proceedings of HCI Korea Conference 2021*. [📄](#)

GRANTS & AWARDS

Principal Candidate, Fulbright Graduate Student Program Award Korean-American Educational Commission, awarded up to \$80,000 for graduate studies (<i>declined</i>)	<i>Sep 2023</i>
Finalist, Doctoral Study Abroad Scholarship Korean Foundation for Advanced Studies (KFAS), selected as a finalist	<i>Aug 2023</i>
ITRC Student Creative Research Project South Korean Ministry of Science and ICT, awarded \$7,600 of research grant	<i>March 2022 - Dec 2022</i>
Capstone Poster Session Presentation Ewha Womans University, 2nd place in Computer Science department, co-awarded \$570	<i>Dec 2022</i>
Capstone Design Competition Ewha Womans University, 3rd place in College of Engineering, co-awarded \$540	<i>Dec 2022</i>
SW Entrepreneurship Competition Ewha Womans University, 4th place, co-awarded \$75	<i>Nov 2022</i>
Google Student Travel Grants Google, awarded \$2,820 for attending ACM CHI 2022	<i>May 2022</i>
Ewha Future Design Scholarship Ewha Womans University, awarded \$3,240 for excellence in career path planning	<i>Dec 2022, April 2022</i>
3rd place (Bronze Medal), Student Research Competition ACM SIGACCESS Conference on Computers and Accessibility (ASSETS' 21) Student Research Competition, awarded \$200	<i>Oct 2021</i>

Presidential Science Scholarship Korea Student Aid Foundation (KOSAF), awarded cost of attendance for 2 years and an additional \$2,200 per semester for academic excellence	<i>June 2021</i>
Best Paper Award Proceedings of HCI Korea Conference 2021, Seoul, South Korea	<i>Jan 2021</i>
Undergraduate Research Opportunity Program Research Grant Ewha Womans University, awarded \$250, \$450 respectively	<i>April 2022, June 2020</i>
HOKMA Career Path Exploration Scholarship Grant Ewha Womans University, co-awarded \$1,100 for excellence in CS career path exploration activities	<i>Oct 2019</i>

PATENT

Systems and Methods for Customizing Voices for Personas in Virtual Spaces Uran Oh, Hyeonjeong Byeon , Seungjin Ha, 10-2022-0179981. <i>Patent pending.</i>	<i>Dec 2022</i>
AVOTAR: A Voice Customization System for Online Personas Uran Oh, Hyeonjeong Byeon , Seungjin Ha, South Korea, P2022-0160KR. <i>Patent pending.</i>	<i>Nov 2022</i>

TEACHING EXPERIENCE

User Experience Prototyping Techniques (HCDE 451) Teaching assistant for senior undergraduate course	<i>Winter 2024</i>
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SERVICES

Ph.D. Program Admission Committee Participated as a student reviewer for UW HCDE Ph.D. admission	<i>Dec 2023</i>
Student Volunteer, The Blue Tree Foundation (NGO) Researched and translated articles about school violence and cyberbullying for campaigns	<i>Feb 2022 - Feb 2022</i>
Member, EDOC (Ewha DO Coding) Prepared for ACM-ICPC and participated in group study sessions focusing on data structures and algorithms	<i>Jan 2020 - Jun 2020</i>
Student Volunteer, Seoul Metropolitan Office of Education Taught programming to North Korean defector students as part of the "Unplugged Coding" program	<i>Sep 2019 - Nov 2019</i>
Member, Like Lion Completed year-long full-stack development course and developed a University Festival Web application	<i>Mar 2019 - Dec 2019</i>

SKILLS

Programming: Python, C/C++, Java, SQL, R, SAS, HTML/CSS
Research: Empirical studies, Statistical modeling, Survey design, Experiment design, Prototyping