







## EDUCATION

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

## RESEARCH EXPERIENCE

<b>Prosocial Computing Group</b> , University of Washington Undergraduate Research Assistant (PI: Prof. Gary Hsieh)	May 2023 -
<b>Dynamic Graphics Project Lab</b> , University of Toronto Undergraduate Research Assistant (PI: Prof. Khai N. Truong)	Sep 2021 - Sep 2022
<b>Human-Computer Interaction Laboratory</b> , Ewha Womans University Undergraduate Research Assistant (PI: Prof. Uran Oh)	Jul 2020 - Sep 2023

## PUBLICATIONS AND PRESENTATIONS

- [1] **Hyeon Jeong 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; **Hyeon Jeong 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] **Hyeon Jeong Byeon** and Chaerin Lee (co-first author); 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] **Hyeon Jeong 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] **Hyeon Jeong 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] **Hyeon Jeong Byeon**; Uran Oh. 2021. Comparing Performance of Pre-trained Bidirectional Language Models. In *Proceedings of HCI Korea Conference 2021*. 

## GRANTS & AWARDS

<b>Principal Candidate, Fulbright Graduate Student Program Award (Declined)</b> Korean-American Educational Commission, awarded up to \$80,000 for two years and additional grant for graduate studies	Sep 2023
<b>Finalist, Doctoral Study Abroad Scholarship</b> Korean Foundation for Advanced Studies (KFAS), selected as a finalist	Aug 2023
<b>ITRC Student Creative Research Project</b> South Korean Ministry of Science and ICT, awarded \$7,600 of research grant	March 2022 - Dec 2022
<b>Capstone Poster Session Presentation</b> Ewha Womans University, 2nd place in Computer Science department, co-awarded \$570	Dec 2022
<b>Capstone Design Competition</b> Ewha Womans University, 3rd place in College of Engineering, co-awarded \$540	Dec 2022
<b>SW Entrepreneurship Competition</b> Ewha Womans University, 4th place, co-awarded \$75	Nov 2022
<b>Google East Asia Student Travel Grants</b> Google, awarded \$2,820 for attending ACM CHI 2022	May 2022
<b>Ewha Future Design Scholarship</b> Ewha Womans University, awarded \$1,620 for excellence in career path planning, awarded up to additional \$1,620 for next semester	Dec 2022, April 2022
<b>3rd place (Bronze Medal), Student Research Competition</b> ACM SIGACCESS Conference on Computers and Accessibility (ASSETS' 21) Student Research Competition, awarded \$200	Oct 2021
<b>Presidential Science Scholarship</b> Korea Student Aid Foundation (KOSAF), awarded cost of attendance for 2 years and additional \$2,200 per semester for academic excellence	June 2021
<b>Best Paper Award</b> Proceedings of HCI Korea Conference 2021, Seoul, South Korea	Jan 2021
<b>Undergraduate Research Opportunity Program Research Grant</b> Ewha Womans University, awarded \$250, \$450 respectively	April 2022, June 2020

## HOKMA Career Path Exploration Scholarship Grant

Oct 2019

Ewha Womans University, co-awarded \$1,100 for excellence in CS career path exploration activities

## PATENT

### Systems and Methods for Customizing Voices for Personas in Virtual Spaces

Dec 2022

Uran Oh, Hyeon Jeong Byeon, Seungjin Ha, 10-2022-0179981. *Patent pending.*

### AVOTAR: A Voice Customization System for Online Personas

Nov 2022

Uran Oh, Hyeon Jeong Byeon, Seungjin Ha, South Korea, P2022-0160KR. *Patent pending.*

## ACADEMIC CLUB ACTIVITIES & VOLUNTEERS

### Member, EDOC (Ewha DO Coding)

Jan 2020 - Jun 2020

Prepared for ACM-ICPC and participated in group study sessions focusing on data structures and algorithms

### Member, Like Lion

Mar 2019 - Dec 2019

Completed year-long full-stack development course and developed a University Festival Web application

### Student Volunteer, The Blue Tree Foundation (NGO)

Feb 2022 - Feb 2022

Researched and translated articles about school violence and cyber bullying for international campaigns

### Student Volunteer, Seoul Metropolitan Office of Education

Sep 2019 - Nov 2019

Taught programming to North Korean defector students as part of the “Unplugged Coding” program