

# Hyeonjeong Byeon

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## EDUCATION

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

## RESEARCH EXPERIENCE

<b>Prosocial Computing Group</b> , University of Washington Graduate Research Assistant (PI: Prof. Gary Hsieh)	May 2023 - Present
<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] **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

<b>Principal Candidate, Fulbright Graduate Student Program Award</b> Korean-American Educational Commission, awarded up to \$80,000 for graduate studies ( <i>declined</i> )	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 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 \$3,240 for excellence in career path planning	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 an additional \$2,200 per semester for academic excellence	June 2021

**Best Paper Award**

Proceedings of HCI Korea Conference 2021, Seoul, South Korea

*Jan 2021*

**Undergraduate Research Opportunity Program Research Grant**

Ewha Womans University, awarded \$250, \$450 respectively

*April 2022, June 2020*

**HOKMA Career Path Exploration Scholarship Grant**

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

*Oct 2019*

**PATENT**

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

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

*Dec 2022*

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

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

*Nov 2022*

**SERVICES**

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**Member, EDOC (Ewha DO Coding)**

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

*Jan 2020 - Jun 2020*

**Member, Like Lion**

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

*Mar 2019 - Dec 2019*

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

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

*Feb 2022 - Feb 2022*

**Student Volunteer, Seoul Metropolitan Office of Education**

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

*Sep 2019 - Nov 2019*

**SKILLS**

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**Programming:** Python, C/C++, Java, SQL, R, SAS, HTML/CSS

**Research:** Empirical studies, Statistical modeling, Survey design, Experiment design, Prototyping