

Hayoung Jung

CONTACT INFORMATION	Email : hjung10@cs.washington.edu www. hayoungjung .me	
EDUCATION	University of Washington , Seattle, Washington M.S. in Computer Science Adviser : Tanushree Mitra, GPA : 4.0/4.0	2023 - Present
	University of Washington , Seattle, Washington B.S. with Distinction in Computer Science, B.A. in Political Science Departmental Honors ; <i>magna cum laude</i> Adviser : Tanushree Mitra, GPA : 3.94/4.0	2019 - 2023
PUBLICATIONS	<i>* denotes equal contributions</i> [1] Hayoung Jung , Shravika Mittal, Munmun De Choudhury, and Tanushree Mitra. Auditing YouTube for Online Myths on Opioid Use Disorder. <i>In Preparation</i> . [2] Hayoung Jung , Prerna Juneja, and Tanushree Mitra. Algorithmic Behaviors Across Regions : A Geolocation Audit of YouTube Search for COVID-19 Misinformation between the United States and South Africa. <i>In submission</i> . [3] Shravika Mittal, Hayoung Jung , Mai ElSherief, Tanushree Mitra, and Munmun De Choudhury. Online Myths on Opioid Use Disorder : A Comparison of Reddit and Large Language Model. <i>In submission</i> . [4] Chan Young Park*, Shuyue Stella Li*, Hayoung Jung* , Svitlana Volkova, Tanushree Mitra, David Jurgens, and Yulia Tsvetkov. ValueScope: Unveiling Implicit Norms and Values via Return Potential Model of Social Interactions . In <i>arXiv</i> , 2024. [5] Preetam Prabhu Srikar Dammu*, Hayoung Jung* , Anjali Singh, Monojit Choudhury, and Tanushree Mitra. "They are uncultured": Unveiling Covert Harms and Social Threats in LLM Generated Conversations . In <i>arXiv</i> , 2024.	
RESEARCH EXPERIENCES	Social Computing & Algorithmic Experiences Lab , University of Washington. <i>Graduate Research Assistant</i> , advised by Tanushree Mitra. Collaborators : Dr. Munmun De Choudhury, Shravika Mittal, Preetam Prabhu Srikar Dammu.	2023 - Present
	TsvetShop , University of Washington. <i>Graduate Research Assistant</i> , advised by Yulia Tsvetkov, David Jurgens, & Tanushree Mitra. Collaborators : Chan Young Park, Shuyue Stella Li	2023 - 2024
	Social Computing & Algorithmic Experiences Lab , University of Washington. <i>Undergraduate Research Assistant</i> , advised by Tanushree Mitra & Prerna Juneja <u>DUB REU Fellow</u> (Summer '21, '22)	2021 - 2023
AWARDS & HONORS	Undergraduate Service Award , UW Computer Science & Engineering. <i>Awards 5 UW CSE undergraduates, out of 2,000 students, for their outstanding service to the department.</i>	2023
	Population Health Recognition Award , UW Undergraduate Research Program. <i>Recognizes undergraduate researchers presenting at the UW Research Symposium for their "innovative and well-presented population health research work."</i>	2023
	Phi Beta Kappa , Washington Alpha Chapter.	2022
	Husky 100 Award , University of Washington. <i>Awards 100 out of 55,000 students for significant contributions to the university.</i>	2022
	Mary Gates Research Scholarship , University of Washington. <i>A competitive \$5,000 research scholarship for undergraduates at the UW.</i>	2022
	CRA Outstanding Undergraduate Researcher Award Nominee , UW Information School. <i>One of four students nominated by the UW iSchool for the national award.</i>	2021
	Washington State Opportunity Scholarship , State of Washington. <i>Awards undergraduate students from low- and middle-income families in Washington State to support their higher education pursuits.</i>	2021

Roy F. Mather Scholarship, Community Foundation for Southwest Washington.
Awards \$2,500 to an outstanding engineering student from Southwest Washington.

2020

TEACHING
EXPERIENCE

INFO498 : Algorithms and Society, University of Washington Spring 2024
Guest Lecturer, Presentation Title : “My Journey Through Undergraduate Research”

- Presented my research journey in AI Ethics, key findings, lessons learned, and ways to get involved in research.

CSE414 : Intro to Database Systems, University of Washington Autumn 2023, Winter 2024
Graduate Teaching Assistant, Instructor : Ryan Maas

- Led quiz sections for 35 students, receiving positive reviews and 4.90/5.00 average rating.
- Held office hours, graded assignments, and answered 600 student questions on the course board.

CSE190B : CSE Direct Admit Seminar, University of Washington Autumn 2022
Undergraduate Teaching Assistant, Instructor : Dan Grossman

- Prepared discussion segments, organized panels, and held office hours for new college students.

CSE142 : Introduction to Programming I, University of Washington Autumn 2021
Undergraduate Teaching Assistant, Instructor : Brett Wortzman

- Conducted weekly quiz sections for 25 programming novices, earning 4.92/5.00 average rating.
- Led weekly office hours and graded assignments to foster good programming practices.

Juni Learning Autumn 2020 - Spring 2021
Computer Science Instructor

- Taught introductory Python and Java in weekly one-on-one lessons (220 teaching hours).

INDUSTRY
EXPERIENCE

F5 Networks, Rapid Development Team Summer 2024
Software Engineer Intern

- Developed a CLI, web browser, and REST API tool to automatically build dependency trees and efficiently search up-stream and down-stream dependencies of F5OS projects.

F5 Networks Distributed Cloud Edge Services Team Summer 2023
Software Engineer Intern

- Designed and implemented a proof-of-concept Enterprise Connector tool for linking F5XC's CDN Edge Servers with Google Cloud Storage. Received highest performance rating from manager.

LEADERSHIP

UW Association for Computing Machinery (UW ACM) 2019-2023
Student Adviser, Vice Chair, Treasurer, Associate Officer

- Led the largest student-run organization at the Allen School, focused on enhancing student experiences by organizing events, such as internship panels and quarterly departmental socials.
- Spearheaded the Research Night Series, with 110 undergraduates attending to learn more about getting involved in computing research and engage with 9 attending labs at UW.
- Expanded and restructured the Big/Little Peer Mentorship Program to support the growing cohorts of 350 students, enhancing their transition to college.
- Helped lead quarterly fundraising efforts for the University District Food Bank, Code.org, Black Girls CODE, and Seattle Children Hospital, raising a total of \$7,460 in donations.

Polling and Open Data Initiative at the University of Washington 2020-2021
Co-Founder & Technology Director, advised by Christopher S. Parker & Geoffrey P.R. Wallace

- Founded a 25-student organization that gathers, analyzes, and presents data to advance public understanding of our communities and shape their policies.
- **Key Outcome** : Analyzed 3,769 student responses from UW's tri-campus survey on remote learning experiences and opinions, providing policy recommendations to the UW Board of Regents [\[PDF\]](#) on post-pandemic education practices.
- **Other Communities & Organizations Served** : Paul G. Allen School of Computer Science & Engineering [\[PDF\]](#), Associated Students of the University of Washington [\[PDF\]](#) and Washington State Parks Foundation, providing data-driven insights and policy recommendations.

Associated Students of the University of Washington (ASUW)

2019-2020

Student Senator & Member of the Student Technology Fee (STF)

- Lobbied state legislators at the Washington State Capitol on higher education issues.
- Oversaw the funding of 13 technology project proposals through STF's \$10 million budget during the COVID-19 pandemic (e.g., remote computing resources, departmental equipment renewals).

**SERVICE &
VOLUNTEER****Reviewing**

- EMNLP Workshop on Customizable NLP (CustomNLP4U) : 2024

External Committees

- Member, City of Seattle Digital Equity Committee : 2024-

Department Committees

- Allen School Diversity Committee : 2021-2023
- Allen School Teaching-Track Faculty Recruiting Committee : 2022-2023

Volunteer

- Speaker & Organizer, UW ACM Research Night Series : 2021-2022
- Organizer, UW ACM New Student Big/Little Peer Mentorship Program : 2021-2022
- Organizer, UW ACM First / Second-Year Internship Prep Panel : 2020-2021
- Organizer, UW CSE Quarterly Departmental Socials : 2019-2023
- Panelist, Admitted Student Day Undergraduate Research Roundtable : 2022
- Panelist, CSE Direct Admit Seminar : 2020, 2022
- Panelist, Allen School Spring Research Showcase : 2021

PRESENTATIONS**Geolocation Audit of YouTube for COVID-19 Misinformation**

May 2023

*UW Undergraduate Research Symposium, Seattle WA, USA***Geolocation Audit of YouTube for COVID-19 Misinformation**

August 2022

*UW DUB REU Symposium, Seattle WA, USA***Auditing YouTube for Misinformation Prevalent in the Global South**

August 2021

*UW DUB REU Symposium, Seattle WA, USA***SKILLS**

- **Computer-related** : Python, SQL, Java, C/C++, R, Pandas, PyTorch, Flask, Numpy, Git, Matplotlib, AWS, Azure, Javascript, NGINX, HTML/CSS
- **Natural Languages** : English (native); Korean (fluent)