

# Hayoung Jung

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CONTACT INFORMATION	<i>Email</i> : hjung10@cs.washington.edu www.hayoungjung.me	
EDUCATION	<b>University of Washington</b> , Seattle, Washington M.S. in Computer Science Adviser : Tanushree Mitra, GPA : 4.0/4.0	2023 - Present
	<b>University of Washington</b> , 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] <b>Hayoung Jung</b> , Shravika Mittal, Munmun De Choudhury, and Tanushree Mitra. Auditing YouTube for Online Myths on Opioid Use Disorder. <i>In preparation.</i> [2] Shravika Mittal, <b>Hayoung Jung</b> , Mai ElSherief, Tanushree Mitra, and Munmun De Choudhury. Online Myths on Opioid Use Disorder : A Comparison of Reddit and Large Language Model. <i>Under review at ICWSM.</i> [3] <b>Hayoung Jung</b> , Prerna Juneja, and Tanushree Mitra. <a href="#">Algorithmic Behaviors Across Regions: A Geolocation Audit of YouTube Search for COVID-19 Misinformation between the United States and South Africa.</a> In <i>arXiv. Under review at ICWSM.</i> [4] Chan Young Park*, Shuyue Stella Li*, <b>Hayoung Jung*</b> , Svitlana Volkova, Tanushree Mitra, David Jurgens, and Yulia Tsvetkov. <a href="#">ValueScope: Unveiling Implicit Norms and Values via Return Potential Model of Social Interactions.</a> In <i>Proceedings of Findings of EMNLP 2024.</i> [5] Preetam Prabhu Srikar Dammu*, <b>Hayoung Jung*</b> , Anjali Singh, Monojit Choudhury, and Tanushree Mitra. <a href="#">"They are uncultured": Unveiling Covert Harms and Social Threats in LLM Generated Conversations.</a> In <i>Proceedings of EMNLP 2024.</i>	
RESEARCH EXPERIENCES	<b>Social Computing &amp; Algorithmic Experiences Lab</b> , University of Washington <i>Graduate Research Assistant</i> , advised by Tanushree Mitra	2023 - Present
	<b>TsvetShop</b> , University of Washington <i>Graduate Research Assistant</i> , advised by Yulia Tsvetkov, David Jurgens, & Tanushree Mitra	2023 - 2024
	<b>Social Computing &amp; Algorithmic Experiences Lab</b> , University of Washington <i>Undergraduate Research Assistant</i> , advised by Tanushree Mitra. <u>DUB REU Fellow</u> (Summer '21, '22)	2021 - 2023
AWARDS & HONORS	<b>Undergraduate Service Award</b> , UW Computer Science & Engineering <i>Awards 5 UW CSE undergraduates, out of 2,000 students, for their outstanding service to the department.</i>	2023
	<b>Population Health Recognition Award</b> , 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
	<b>Phi Beta Kappa</b> , Washington Alpha Chapter <i>Honors top-ranking students based on cumulative academic achievement.</i>	2022
	<b>Husky 100 Award</b> , University of Washington <i>Awards 100 out of 55,000 students for significant contributions to the university.</i>	2022
	<b>Mary Gates Research Scholarship</b> , University of Washington <i>A competitive \$5,000 research scholarship for undergraduates at the UW.</i>	2022
	<b>CRA Outstanding Undergraduate Researcher Award Nominee</b> , UW Information School <i>One of four students nominated by the UW iSchool for the national award.</i>	2021
	<b>Washington State Opportunity Scholarship</b> , 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 2020  
*Awards \$2,500 to an outstanding engineering student from Southwest Washington.*

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 project 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 upstream and downstream 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’s 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
- ICWSM : 2025

#### 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)