

# Hayoung Jung

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CONTACT INFORMATION      **Email :** hjung10@cs.washington.edu  
**www.hayoungjung.me**

EDUCATION      **University of Washington**, Seattle, Washington      2023 - Present  
M.S. in Computer Science  
Adviser : Tanushree Mitra, GPA : 4.0/4.0

**University of Washington**, Seattle, Washington      2019 - 2023  
B.S. with Distinction in Computer Science, B.A. in Political Science  
Departmental Honors ; *magna cum laude*  
Adviser : Tanushree Mitra, GPA : 3.94/4.0

PUBLICATIONS      *\* denotes equal contributions*

- [1] **Hayoung Jung**, Shravika Mittal, Munmun De Choudhury, and Tanushree Mitra. Auditing YouTube for Online Myths on Opioid Use Disorder. *In preparation.*
- [2] 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. *Under review at ICWSM.*
- [3] **Hayoung Jung**, Perna 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.](#) In *arXiv. Under review at ICWSM.*
- [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 *Proceedings of Findings of EMNLP 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 *Proceedings of EMNLP 2024.*

RESEARCH EXPERIENCES      **Social Computing & Algorithmic Experiences Lab**, University of Washington      2023 - Present  
*Graduate Research Assistant*, advised by Tanushree Mitra

**TsvetShop**, University of Washington      2023 - 2024  
*Graduate Research Assistant*, advised by Yulia Tsvetkov, David Jurgens, & Tanushree Mitra

**Social Computing & Algorithmic Experiences Lab**, University of Washington      2021 - 2023  
*Undergraduate Research Assistant*, advised by Tanushree Mitra.  
DUB REU Fellow (Summer '21, '22)

AWARDS & HONORS      **Undergraduate Service Award**, UW Computer Science & Engineering      2023  
*Awards 5 UW CSE undergraduates, out of 2,000 students, for their outstanding service to the department.*

**Population Health Recognition Award**, UW Undergraduate Research Program      2023  
*Recognizes undergraduate researchers presenting at the UW Research Symposium for their "innovative and well-presented population health research work."*

**Phi Beta Kappa**, Washington Alpha Chapter      2022  
*Honors top-ranking students based on cumulative academic achievement.*

**Husky 100 Award**, University of Washington      2022  
*Awards 100 out of 55,000 students for significant contributions to the university.*

**Mary Gates Research Scholarship**, University of Washington      2022  
*A competitive \$5,000 research scholarship for undergraduates at the UW.*

**CRA Outstanding Undergraduate Researcher Award Nominee**, UW Information School      2021  
*One of four students nominated by the UW iSchool for the national award.*

**Washington State Opportunity Scholarship**, State of Washington      2021  
*Awards undergraduate students from low- and middle-income families in Washington State to support their higher education pursuits.*

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

**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)