Hayoung Jung

CONTACT INFORMATION

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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] **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. *In submission.*

[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. *In submission.*

[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 *arXiv*, 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 *arXiv*, 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.
<u>DUB REU Fellow</u> (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

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.

Roy F. Mather Scholarship, Community Foundation for Southwest Washington   2020
Awards $2,500 to an outstanding engineering student from Southwest Washington.

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).

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.

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

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)