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KAYLEA CHAMPION

My work examines how people collaborate to build information public goods like software and knowledge. I engage students in projects that both extend their understanding and benefit humanity. My public service efforts seek to connect research findings directly with practitioners, translating scientific discovery into evidence-based strategies to support thriving, generative communities.

Education University of Washington

2017– Ph.D in Communication [In Progress]

2017–2019. Master of Arts in Communication. Committee: Benjamin Mako Hill (Advisor), Adrienne Russell

University of Massachusetts Boston

2014–2016. Master of Arts in Critical and Creative Thinking.

University of Chicago

2004–2007. Master of Science in Computer Science

1994–1998. Bachelor of Arts in Near Eastern Languages and Civilizations

Employment Leadership and Management

Experience

2012—2014 Director, Digital Media & Classroom Technologies, University of Chicago

2010—2012 Director, Collaborative & Academic Technologies, University of Chicago

2007—2010 Director, Scholarly Technology & Research Computing, University of Chicago

Recognitions Awards

Received

2022 Graduate Student Outstanding Teaching Award, Communication Department, University of Washington

Publications Articles in Journals and Conference Proceedings

Tran, Chau; **Champion, Kaylea**; Hill, Benjamin Mako; Greenstadt, Rachel. (2022)

“The risks, benefits, and consequences of pre-publication moderation: Evidence from 17 Wikipedia language editions” Proceedings of the ACM on Human-Computer Interaction (CSCW 2022).

Champion, Kaylea and Hill, Benjamin Mako. (2021) “Underproduction: An approach for measuring risk in open source software.” 28th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER). DOI:10.1109/SANER50967.2021.00043 Preprint: <https://arxiv.org/abs/2103.00352>

- Champion, Kaylea. (2020) "Characterizing Online Vandalism: A Rational Choice Perspective." 11th International Conference on Social Media & Society. SM-Society, held virtually, July 2020. <https://doi.org/10.1145/3400806.3400813>
- Tran, Chau; **Champion, Kaylea**, Forte, Andrea, Hill, Benjamin Mako, and Greenstadt, Rachel. (2020) "Are anonymity-seekers just like everybody else? An analysis of contributions to Wikipedia from Tor." IEEE Symposium on Security and Privacy
- Champion, Kaylea; McDonald, Nora; Bankes, Stephanie; Zhang, Joseph; Greenstadt, Rachel; Forte, Andrea; Hill, Benjamin Mako. (2019). "A forensic qualitative analysis of contributions to Wikipedia from anonymity seeking users." Proceedings of the ACM on Human-Computer Interaction. CSCW Austin, Texas, November 9-13 2019.
- Champion, Kaylea and Olen Gunnlaugson. (2018) "Fostering generative conversation in higher education course discussion boards." Innovations in Education and Teaching International. 55 (6), 704-712

Datasets

- Champion, Kaylea; Khatri, Sejal; Hill, Benjamin Mako. (2021) "Replication data for: Qualities of quality: A tertiary review of software quality measurement research", <https://doi.org/10.7910/DVN/XPOUO4>, Harvard Dataverse.
- Champion, Kaylea and Hill, Benjamin Mako. (2021). "Replication data and online supplement for: Underproduction: An Approach for Measuring Risk in Open Source software". Harvard Dataverse. <https://doi.org/10.7910/DVN/PUCD2P>
- Tran, Chau; **Champion, Kaylea**; Forte, Andrea; Hill, Benjamin Mako; Greenstadt, Rachel. (2020), "Replication Data for Are anonymity-seekers just like everybody else? An analysis of contributions to Wikipedia from Tor", <https://doi.org/10.7910/DVN/O8RKO2>, Harvard Dataverse

Selected Refereed Paper Presentations (Non-Archival)

Presentations

Presenting authors are marked with a "*" in the list below.

- Champion, Kaylea. Spring 2022. "Sociotechnical Risk in Sustaining Digital Infrastructure." Extended abstract presented to University of Washington Design-Use-Build Doctoral Consortium.
- Champion, Kaylea* and Benjamin Mako Hill. Spring 2022. "The Use of Anonymity to Resist Taboo: Evidence from Wikipedia" Computational Methods, International Communication Association Annual Meeting (ICA).
- Champion, Kaylea*, Isabella Brown, Lucy Bao, Jacinta Harshe, and Benjamin Mako Hill. Spring 2022. "Making Sense of Covid-19: Search Results and Sources" Communication and Technology, International Communication Association Annual Meeting (ICA).
- Champion, Kaylea* and Benjamin Mako Hill. Spring 2020 "Writing what they don't read? Production misalignment in Wikipedia." Computational Methods, International Communication Association Annual Meeting (ICA).

Invited Talks

- 2022, Spring. Presenter in the “Community Conversations” series presented by the Community Data Science Collective; gave a research overview to community/industry practitioners.
- 2022, Spring. Panelist for Meta’s “Community Chats” forum; purpose was to brief Meta product development teams on recent research with respect to anonymity online.
- 2021, Fall. The Digital Infrastructure Podcast. “Kaylea Champion and Mako Hill on Detecting Risk in Digital Infrastructure.” Available at <https://dif.fireside.fm/2>.
- 2021, Fall. The Metagovernance Seminar. “Information Public Goods: Two Governance Challenges.” Available at <https://archive.org/embed/champion-metagov>.

Teaching Teaching Assistant

- 2022, Winter. Online Communities (COM 481). Designed learning materials, facilitated discussions, graded projects, coached writing, and supported learning of 76 students in 3 sections. Supervised by Benjamin Mako Hill.
- 2017, Fall. Introduction to Communication (COM 200). Facilitated discussions, graded essays, and supported learning of 100 students in 3 sections. Supervised by Lisa Coutu.

Directed Research Group Leadership

- 2021, Winter. Mapping the Covid-19 Information Landscape. Taught 3 undergraduate students research methods and scientific communication while leading the authorship of a mixed methods research paper analyzing search engine response data collected during the pandemic. Supervised by Benjamin Mako Hill.
- 2020, Fall. Mapping the Covid-19 Information Landscape. Taught 5 undergraduate students research methods and led them in a mixed methods research project to analyze search engine response data collected during the pandemic. Supervised by Benjamin Mako Hill.

Workshops & Seminars

- 2017– Social Computing Reading Group, University of Washington. [Facilitator, 2019-2020]
2017. Science in a Changing World Workshop, University of Massachusetts Boston

Professional Research Affiliations

- 2017–. Member, *Community Data Science Collective*.
- 2017–. Member, *Design Use Build (dub)*, Human Computer Interaction Group, University of Washington.

Professional Organization Membership

2021— Member, *Association of Internet Researchers*

2020— Member, *International Communication Association*. Section Membership: Computational Methods, Communication and Technology, Organizational Communication.

2019— Member, *Association for Computing Machinery*. Section Membership: SIGCHI, CSCW.

Service to Profession

I have served as a reviewer for a number of journals and conferences in communication, human computer interaction, and information systems including (in alphabetical order):

AMCIS 2020 (2),

CHI 2019 (1), 2021* (2), 2022 (2)

CSCW 2020* (4), 2021** (4), 2022 (2)

ICA Annual Meeting 2019 (6), 2020 (3), 2022 (2)

ICWSM 2021 (1),

PLOS ONE 2021 (1),

TOCHI 2021 (1),

TSC 2022 (1).

Numbers in parentheses indicate quantity of reviews contributed but does not include multiple rounds of review in the case of resubmission decisions; * indicates recognition for outstanding reviews.

Public Service Activities

Community-Facing Research Talks

2022, Spring: *Creative and Critical Thinking Open House*, University of Massachusetts Boston. “Thinking Critically About Online Communities” Presentation, facilitated reflective dialogue.

2022, Winter : *Mozilla MozFest 2022* “What’s Anonymity Worth?” Presentation live-streamed and recorded.

2021, Fall : *SeaGL: Seattle GNU/Linux Users Conference* “TIL...: 10+ Findings from 2021 Global FLOSS Research in Five Minutes.” Presentation live-streamed and recorded.

2021, Fall: *CHAOSSCon North America 21* Linux Foundation Metrics Community Conference. “From Metrics to Insights: Detecting Software Infrastructure Risk”. Presentation in-person, livestreamed and recorded.

2021, Summer: *DebConf 21* Debian Community Conference. “At-Risk Software in Debian.” Presentation livestreamed and recorded, extended post-talk discussion livestreamed and conducted via chat.

2021, Spring: *DEF CON 201* New Jersey-area technology enthusiasts group. “Detecting quality problems in Free/Libre Open Source Software.” Presentation and interview livestreamed and recorded.

2021, Spring: *OpenSSF Securing Critical Infrastructure Workgroup* OpenSSF is a Linux Foundation project seeking to develop solutions to critical but neglected software. Presentation livestreamed and recorded.

2020, Fall: *SEAGL: Seattle Gnu/Linux Users Conference* “How to build a zombie detector: Identifying software quality problems.” Presentation in-person and

recorded.

2019, Spring: *Linux Fest Northwest*. “Baling Wire, Bailing Buckets, or Bailing Out? Signs of risk (and health) in FLOSS.” Presentation in-person and recorded.

Community Service

2022– *Disabled in STEM* Mentor

2021—2022 *Shoreline Public Schools* Science Curriculum Adoption Committee

2016—2018 *Minds Matter* Writing and Critical Thinking Instructor.

2014—2015 *Museum of Science and Industry* Evaluation & Research Volunteer.

2014—2015 *Chicago Public Schools* Literacy Skills Tutor.

Press

2021-03-30. *Hacker News* featured the preprint of “Underproduction: An Approach to Measuring Risk in Open Source Software” on the front page.

2020-12-02. Monika Sengul-Jones. Harnessing Wikipedia’s superpowers for journalism. *DataJournalism.com*.

2020-06-25. Antonela Debiasi. The value of Tor and anonymous contributions to Wikipedia. *Tor Project Blog*. Article was then featured on the front page of *Hacker News* and *Slashdot*.