

Will Sutherland

Research Interests

Software instrumentation in the sciences: Instruments and changing methods in data-intensive sciences.

Cyberinfrastructure: Infrastructures of large-scale scientific collaborations.

Gig work on digital platforms: Extra-organizational work contexts, skilled labor platforms, and platforms as sociotechnical systems.

EDUCATION

University of Washington, Seattle – *Ph.D. (in progress)*

SEPTEMBER 2018 – PRESENT

University of North Carolina, Chapel Hill – *Information Science (MSIS)*

AUGUST 2015 – MAY 2017

University of Colorado, Boulder – *BA, History*

AUGUST 2010 – MAY 2014

Publications

Refereed Articles

- (Forthcoming) Sutherland, W. and Ribes, D. (2020). Representationalism and Digital Imagery. In *Postphenomenology and Imaging: How to Read Technology*. Lexington Books.
- Neang, A. B., Sutherland, W., Beach, M. W., & Lee, C. P. (December 2020). Data Integration as Coordination: The Articulation of Data Work in an Ocean Science Collaboration. *Proc. ACM Hum.-Comput. Interact.* 4, CSCW3, Article 256, 25 pages.
- Feinberg, M., Sutherland, W., Nelson, S.B., Jarrahi, M. H., and Rajasekar, A. (2020). The New Reality of Reproducibility: The Role of Data Work in Scientific Research. *Proc. ACM Hum.-Comput. Interact.* 4, CSCW1, Article 35, 22 pages. <https://doi.org/10.1145/3392840>
- Hauser, E., & Sutherland, W. (2020, March). Temporality in Data Science Education: Early Results from a Grounded Theory Study of an NSF-Funded CyberTraining Workshop. In *International Conference on Information* (pp. 536-544). Springer, Cham.

- Jarrahi, M. H., Sutherland, W., Nelson, S. B., & Sawyer, S. (2020). Platformic Management, Boundary Resources for Gig Work, and Worker Autonomy. *Computer Supported Cooperative Work (CSCW)*, 29(1), 153-189.
- Sutherland, W., Jarrahi, M. H., Dunn, M., & Nelson, S. B. (2019). Work Precarity and Gig Literacies in Online Freelancing. *Work, Employment and Society*, 0950017019886511.
- Soden, R., Ribes, D., Jack, M., Sutherland, W., Khovanskaya, V., Avle, S., ... & Bødker, S. (2019, November). Fostering Historical Research in CSCW & HCI. In *Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing* (pp. 517-522).
- Kinder, E., Jarrahi, M. H., & Sutherland, W. (2019). Gig Platforms, Tensions, Alliances and Ecosystems: An Actor-Network Perspective. *Proceedings of the ACM on Human-Computer Interaction*, 3(CSCW), 1-26.
- Jarrahi, M. H., & Sutherland, W. (2019). Algorithmic Management and Algorithmic Competencies: Understanding and Appropriating Algorithms in Gig work. *iConference* (2019).
- Jarrahi, M. H., Philips, G., Sutherland, W., Sawyer, S., & Erickson, I. (2019). Personalization of knowledge, personal knowledge ecology, and digital nomadism. *Journal of the Association for Information Science and Technology*.
- Sutherland, W., & Jarrahi, M. H. (2018). The sharing economy and digital platforms: A review and research agenda. *International Journal of Information Management*, 43, 328-341.
- Nash, C., Jarrahi, M. H., Sutherland, W., & Phillips, G. (2018, March). Digital nomads beyond the buzzword: Defining digital nomadic work and use of digital technologies. In *International Conference on Information* (pp. 207-217). Springer, Cham.
- Sutherland, W., & Jarrahi, M. H. (2017). The gig economy and information infrastructure: the case of the digital nomad community. *Proceedings of the ACM on Human-Computer Interaction*, 1(CSCW), 97.

AWARDS

Lee Dirks Award for Best Paper (runner up) – 2019

UMSI Masters Student Scholarship (declined) – 2015

TALKS

Conference Presentations

The New Reality of Reproducibility: The Role of Data Work in Scientific Research – 2020 – *Computer-Supported Cooperative Work, 2020 (remote)*

Temporality in Data Science Education – 2020 – *The International Conference on Information, 2020, Borås, Sweden (remote)*

How Upworkers Make Sense of Algorithms – 2019 – *Annual Meeting of the Society for Social Studies of Science, 2019, New Orleans*

Algorithmic Management and Algorithmic Competencies: Understanding and Appropriating Algorithms in Gig work – 2019 – *The International Conference on Information, 2019, College Park*

Gig Work in the Digital Nomad Community – 2018 – *ACM Conference on Computer-Supported Cooperative Work (CSCW)*

Personalization of Knowledge, Personal Knowledge Ecology, and Digital Nomadism – 2018 – *80th Annual Meeting of the Association of Information Science and Technology (ASSIS&T)*

WORKSHOPS & PANELS

The Lemon Labs – 2019 – *Biosphere 2*

Fostering Historical Research in CSCW and HCI – 2019 – *Computer Supported Cooperative Work (CSCW)*

Disrupting Algorithms: Innovating Work and Life in the Digital Economy – 2019 – *Society for Social Studies of Science Annual Meeting*

Work in the Age of Intelligent Machines: Key Dilemmas for the Information Community – 2019 – *The iConference*

WORK EXPERIENCE

Freelance Web Developer

JUNE 2017 – MAY 2018

- Built and maintained professional and academic websites

Media Archaeology Lab, Boulder CO – Assistant

JANUARY 2015 – MAY 2015

- Maintained legacy computer systems
- Answered questions and provided tours of the lab
- Setup a digital curation environment for the processing of floppy disks in the lab's collection

University of Colorado Archives, Boulder CO – Archival Assistant

AUGUST 2014 – DECEMBER 2014

- Digitized books, papers, and large emulsion plate photographs
- Processed and described archival collections

Freelance Researcher

FEBRUARY 2014 – JUNE 2014

- Found historical documents, databases, microfilm, and photographs
- Archival research on people or events
- Summary of historical findings for publications