

Nicholas Vincent

✉ nvincent@sfu.ca

📍 Office 9241, Technology and Science Complex 1, Burnaby, BC, Canada

🌐 www.nickmvincent.com

SUMMARY

Research interests: Responsible Artificial Intelligence, Human-computer Interaction, Human-centered Machine Learning, Social Computing

ACADEMIC APPOINTMENTS

- **Simon Fraser University School of Computing Science** Burnaby, BC
Assistant Professor Aug. 2023 to present
- **University of California, Davis** Davis, CA, USA
Postdoctoral Scholar Jan. 2022 to Aug. 2022
 - Co-advised by [Seth Frey](#) (UC Davis, Department of Communication) and [Amy X. Zhang](#) (University of Washington, School of Computer Science and Engineering)

EDUCATION

- **Northwestern University** Sept. 2017 to Dec. 2022
PhD in Technology and Social Behavior (joint degree, Computer Science and Communication)
 - Thesis: 'Data Leverage: A Framework for Empowering the Public to Mitigate Harms of Artificial Intelligence'; Departmental Dissertation Award, SIGCHI 2024 Outstanding Dissertation Award, [link](#)
 - Advisor: [Brent Hecht](#)
- **UCLA** Sept. 2012 to June 2016
BS in Electrical Engineering
 - Magna Cum Laude

ARCHIVAL PUBLICATIONS

- **A Canary in the AI Coal Mine: American Jews May Be Disproportionately Harmed by Intellectual Property Dispossession in Large Language Model Training** 2024
ACM CHI 2024
 - Heila Precel, Allison McDonald, Brent Hecht, Nicholas Vincent
- **Pika: Empowering Non-Programmers to Author Executable Governance Policies in Online Communities** 2024
ACM CHI 2024
 - Leijie Wang, Nicholas Vincent, Julija Rukanskaitė, Amy X. Zhang
- **Peer Produced Friction: How Page Protection on Wikipedia Affects Editor Engagement and Concentration** 2023
[10.1145/3610198](#) (ACM CSCW 2023)
 - Leah Ajmani, Nicholas Vincent, Stevie Chancellor
- **The Dimensions of Data Labor: A Road Map for Researchers, Activists, and Policymakers to Empower Data Producers** 2023
[10.1145/3593013.3594070](#) (ACM FAccT 2023)
 - Hanlin Li, Nicholas Vincent, Stevie Chancellor, Brent Hecht
- **Behavioral Use Licensing for Responsible AI** 2022
[10.1145/3531146.3533143](#) (ACM FAccT 2022)

- Danish Contractor, Daniel McDuff, Julia Katherine Haines, Jenny Lee, Christopher Hines, Brent Hecht, Nicholas Vincent, Hanlin Li”
- **CEAM: The Effectiveness of Cyclic and Ephemeral Attention Models of User Behavior on Social Platforms** 2021

[10.1609/icwsm.v15i1.18046](#) [🔗](#) (AAAI ICWSM 2021)

 - Farhan Asif Chowdhury, Yozen Liu, Koustuv Saha, Nicholas Vincent, Leonardo Neves, Neil Shah, Maarten W Bos”
- **Addressing ”Documentation Debt” in Machine Learning Research: A Retrospective Datasheet for BookCorpus** 2021

NeurIPS 2021 Datasets and Benchmarks Track

 - Jack Bandy, Nicholas Vincent
- **AdverTiming Matters: Examining User Ad Consumption for Effective Ad Allocations on Social Media** May 2021

[10.1145/3411764.3445394](#) [🔗](#) (ACM CHI 2021)

 - Koustuv Saha, Yozen Liu, Nicholas Vincent, Farhan Asif Chowdhury, Leonardo Neves, Neil Shah, Maarten W Bos
- **A Deeper Investigation of the Importance of Wikipedia Links to Search Engine Results** 2021

[10.1145/3449078](#) [🔗](#) (ACM CSCW 2021)

 - Nicholas Vincent, Brent Hecht
- **Can ”Conscious Data Contribution” Help Users to Exert ”Data Leverage” Against Technology Companies?** 2021

[10.1145/3449177](#) [🔗](#) (ACM CSCW 2021)

 - Nicholas Vincent, Brent Hecht
- **Data Leverage: A Framework for Empowering the Public in its Relationship with Technology Companies** 2021

[10.1145/3442188.3445885](#) [🔗](#) (ACM FAccT 2021)

 - Nicholas Vincent, Hanlin Li, Nicole Tilly, Stevie Chancellor, Brent Hecht”
- **How Do People Change Their Technology Use in Protest?: Understanding ”Protest Users”** 2019

[10.1145/3359189](#) [🔗](#) (ACM CSCW 2019)

 - Hanlin Li, Nicholas Vincent, Janice Tsai, Jofish Kaye, Brent Hecht”
- **Measuring the Importance of User-Generated Content to Search Engines** 2019

[10.1609/icwsm.v13i01.3248](#) [🔗](#) (AAAI ICWSM 2019)

 - Nicholas Vincent, Isaac Johnson, Patrick Sheehan, Brent Hecht
- **”Data Strikes”: Evaluating the Effectiveness of a New Form of Collective Action Against Technology Companies** 2019

[10.1145/3308558.3313742](#) [🔗](#) (ACM The Web Conference 2019)

 - Nicholas Vincent, Brent Hecht, Shilad Sen
- **Women (still) ask for less: Gender differences in hourly rate in an online labor marketplace** Nov. 2018

[10.1145/3274322](#) [🔗](#) (ACM CSCW 2018)

 - Eureka Foong, Nicholas Vincent, Brent Hecht, Elizabeth M Gerber
- **Examining Wikipedia With a Broader Lens: Quantifying the Value of Wikipedia’s Relationships with Other Large-Scale Online Communities** 2018

[10.1145/3173574.3174140](#) [🔗](#) (ACM CHI 2018)

 - Nicholas Vincent, Isaac Johnson, Brent Hecht

WORKSHOP PUBLICATIONS

- **An Alternative to Regulation: The Case for Public AI** 2023
RegML 2023 (NeurIPS 2023 Workshop)
 - Nicholas Vincent, David Bau, Sarah Schwettmann, Joshua Tan
- **Sharing the Winnings of AI with Data Dividends: Challenges with 'Meritocratic' Data Valuation** 2023
EAAMO 2023
 - Nicholas Vincent, Brent Hecht
- **Collaborative Design of Contribution Tracking Systems for Decentralized Organizations** 2022
CESC 2022 @ UC Berkeley
 - Nicholas Vincent, Christine Vandevoorde
- **Misleading Tweets and Helpful Notes: Investigating Data Labor by Twitter Birdwatch Users** 2022
ACM CSCW 2022 Posters
 - Isaiah Jones, Brent Hecht, Nicholas Vincent
- **Deep learning of tissue fate features in acute ischemic stroke** 2015
BIBM 2015 Workshop on Biomedical Visual Search and Deep Learning
 - Noah Stier, Nicholas Vincent, David Liebeskind, Fabien Scalzo
- **Detection of hyperperfusion on arterial spin labeling using deep learning** 2015
BIBM 2015 Workshop on Biomedical Visual Search and Deep Learning
 - Nicholas Vincent, Noah Stier, Songlin Yu, David S Liebeskind, Danny JJ Wang, Fabien Scalzo

OTHER PUBLICATIONS

- **Twitter Engagement with Retracted Articles: Who, When, and How?** 2022
arXiv preprint
 - Rod Abhari, Nicholas Vincent, Henry K Dambanemuya, Herminio Bodon, Emőke-Ágnes Horvát
- **A Data Dividend that Works: Steps Toward Building an Equitable Data Economy** 2021
Berggruen Institute white paper
 - Yakov Feygin, Hanlin Li, Chirag Lala, Brent Hecht, Nicholas Vincent, Luisa Scarcella, Matthew Prewitt
- **Mapping the Potential and Pitfalls of 'Data Dividends' as a Means of Sharing the Profits of Artificial Intelligence.** 2019
arXiv preprint
 - Nicholas Vincent, Yichun Li, Renee Zha, Brent Hecht

PROFESSIONAL EXPERIENCE

- **Microsoft** Redmond, WA, USA
Research Intern (Office of the CTO) May 2021 to Aug. 2021
- **Snap Inc** Santa Monica, CA, USA
Research Intern (Computational Social Science) Mar. 2021 to June 2021
- **Cloudbakers** Chicago, IL, USA
Cloud Programming Specialist Sept. 2016 to June 2017
- **Space and Naval Warfare Systems Command - Pacific (now NAVWAR)** San Diego, CA, USA
NREIP Naval Research Intern June 2016 to Aug. 2016
 - Also interned in 2015

- **Cisco Systems**
Software Engineer Intern
◦ Also interned in 2013 (Cross Functional Intern)

*San Jose, CA, USA
June 2014 to Sept. 2014*

TEACHING EXPERIENCE

- **CMPT 419** *Jan. 2024*
◦ Primary instructor, Special Topics in AI, Human and Data-centered AI, 50 students
- **CMPT 120** *Sept. 2023*
◦ Primary instructor, Introduction to Computing Science and Programming, 200 students
- **Statistics and Statistical Programming** [🔗](#) *Sept. 2020*
◦ Teaching Assistant

SERVICE ROLES

- **California Data Dividends Working Group** *2019-2022*
◦ Co-organizer of a working group formed to study and prepare a report on the "data dividends" concept
- **Northwestern University Artificial Intelligence Journal Club** *2019-2021*
◦ Co-organizer of a journal club
- **Northwestern University, Computer Science Ph.D. Advisory Council** *Jan. 2018*
- **InfoSocial Graduate Student Conference** *2018-2019*
◦ Served as one of two co-chairs for the [InfoSocial](#) [🔗](#) student-run conference. Organized the conference, which included papers sessions, panels with faculty and community organizations, and networking opportunities.

SELECTED TALKS

- **Community Dialogue on Accountable Governance and Data** ([webpage](#) [🔗](#)) *Mar. 2023*
- **Algorithmic Contestability** *Jan. 2023*
- **Public interest technologies for the ML age** *May 2021*
- **The Importance of Wikipedia to Search Engines and Other Systems** (on [YouTube](#) [🔗](#)) *May 2021*
- **Data Agency: Individual or Shared?** (on [YouTube](#) [🔗](#)) *Jan. 2021*
- **Data Driven Economy for All** (on [YouTube](#) [🔗](#)) *July 2020*
- **The Critical Relationship of Volunteer-Created Wikipedia Content to Large-Scale Online Communities** (on [YouTube](#) [🔗](#)) *Apr. 2018*

AWARDS

- Graduate Dissertation Award, Northwestern University School of Communication, 2023, [link](#) [🔗](#)
- President Fellowship Finalist, Northwestern University, 2019
- NSF-GRFP Honorable Mention, 2018
- Best Reviewer, ICWSM, 2022
- Outstanding Reviewer, NeurIPS Datasets and Benchmarks, 2022
- Highly useful reviewer, CSCW, 2022