BRENNAN SCHAFFNER

brennanschaffner.com ⋄ brennanschaffner@gmail.com

EDUCATION

University of Chicago, IL
Third Year Ph.D. student in Computer Science *2020-Present*
Research area: Human Computer Interaction (HCI)
I am currently involved in projects related to platform moderation of user-generated content, ethical data collection, and recommendation engines' impact on user-agency.

University of St. Thomas, MN
B.S. in Computer Science *Class of 2020*
B.A. in Physics Dean's list every semester
Minor in Mathematics GPA: 3.87/4.00

PAPERS

Peer-reviewed:

1. **B. SCHAFFNER**, N. LINGAREDDY, AND M. CHETTY. Understanding Account Deletion and Relevant Dark Patterns On Social Media. *To appear at CSCW 2022.*
2. N. LINGAREDDY, **B. SCHAFFNER**, AND M. CHETTY. Can I Delete My Account?: Dark Patterns In Account Deletion On Social Media. CHI 2021: *Workshop on What Can CHI do About Dark Patterns?.*
3. B. TRAN, **B. SCHAFFNER**, J. MYRE, J. SAWIN AND D. CHIU. Exploring Means to Enhance the Efficiency of GPU Bitmap Index Query Processing. DSE 2020: *2020 Data Science and Engineering Journal.*
   DOI: 10.1007/s41019-020-00148-8
4. B. TRAN, **B. SCHAFFNER**, J. MYRE, J. SAWIN AND D. CHIU. Increasing the Efficiency of GPU Bitmap Index Query Processing. DASFAA 2020: *International Conference on Database Systems for Advanced Applications.*
   DOI: 10.1007/978-3-030-59419-0-21
5. **B. SCHAFFNER**, J. SAWIN AND J. MYRE. Smartphones as Alternative Cloud Computing Engines: Benefits and Trade-offs. FICLOUD 2018: *IEEE 6th International Conference on Future Internet of Things and Cloud*, pp. 244-250.
   DOI: 10.1109/FiCloud.2018.00043

Preprints and Work in Submission:

1. **B. Schaffner**, A. Stefanescu, O. Campili, M. Chetty. Don't Let Netflix Drive the Bus: User's Sense of Agency Over Time and Content Choice on Netflix. *Under Review at CSCW 2023*
2. **B. Schaffner**, A. Brohn, J. Chee, K. Feng, M. Chetty. Designing and Testing a Mobile Application for Collecting WhatsApp Chat Data While Preserving Privacy. *Under Review at CHI 2023.*
3. S. WANG, K. MACMILLAN, **B. SCHAFFNER**, N. FEAMSTER, M. CHETTY. A First Look at the Consolidation of DNS and Web Hosting Providers. *arXiv:2110.15345 [cs.NI],* October 2021.

TALKS

CSCW 2022 *October, Taipei, Taiwan (Up-Coming, Virtual)*
Understanding Account Deletion and Relevant Dark Patterns On Social Media.

DAFSAA 2020 *September, Jeju, South Korea (Virtual)*
Increasing the Efficiency of GPU Bitmap Index Query Processing.

AWARDS AND HONORS

University Unrestricted Fellowship for excellence in research *Spring 2022*

Crerar Fellowship - University of Chicago Computer Science Department *2020-2021*

NSF Funded Researcher at the University of Maryland *Summer 2019*

REGULATORY COMMENTS

California Privacy Protection Agency (CPPA)
California Consumer Privacy Act Regulations - Public Participation in the Rulemaking Process
Comment Submitted August 2022.

Federal Trade Commission (FTC)
Digital Advertising Business Guidance Request for Information
Comment Submitted August 2022.
Comment ID: FTC-2022-0035-0029

European Data Protection Board (EDPB)
Request for Comments on their "Guidelines 3/2022 on Dark patterns in social media platform interfaces: How to recognise and avoid them"
Comment Submitted May 2022.
Feedback Reference: 03/2022-0023

Federal Trade Commission (FTC)
Request for Comments Regarding Topics to be Discussed at Dark Patterns Workshop
Comment Submitted May 2021.
Comment ID: FTC-2021-0019-0111

PROJECTS

Press this Button to Make Amazon Richer *2021*
In a collaboration with the School of the Art Institute of Chicago, we created an artistic demonstration of how Amazon uses home security system such as Ring Doorbells to build a network of surveillance and wealth.

Observing Information Dissemination *2020-2021*
Amidst the ascent of COVID-19, government messaging and mandates varied widely across US states. We studied how the responses differed among internet communities corresponding to the governed populations.

REU in Combinatorics and Algorithms for Real Problems *2019*
Try `pip install qspd`.
Under Andrew Childs, we developed a python package that implements Jeongwan Haah's algorithm for quantum signal processing decomposition. It includes a step by step algorithm that decomposes periodic functions (often from quantum signal processing) into a product of primitive matrices, represented as a list of rotation angles. Available on the Python Package index.

TEACHING

University of St. Thomas - Minnesota
Mathematics Tutor (2018 - 2020)

- MATH 005-104 Basic Math Skills, Math Sampler, College Algebra, Trigonometry
- MATH 105-114, Precalculus, Calc I, Calc II, Calc for Business and Social Science
- MATH 128 Introduction to Discrete Mathematics
- MATH 200 Multi-Variable Calculus

RESEARCH MENTORING

Masters Students:

Antonia Stefanescu, *University of Chicago, Master of Arts Program in the Humanities* (2021).

Undergraduate Students:

Neha Lingareddy, *University of Chicago, Major: Computer Science* (2021).
Jiatong Lee, *University of Chicago, Major: Physics* (2022).
Olivia Campili, *University of Chicago, Major: Computer Science* (2022).
Grace Wang, *Data Science Institute Summer Lab Research Assistant* (2022).

OTHER

Paper Reviewer for CSCW 2022 January

Paper Reviewer for CSCW 2023 July

CHI 2023 Privacy and Security Subcommittee Chair Assistant

Student Support Application Program Volunteer - EDI program for providing feedback to students from underrepresented or marginalized backgrounds on their admissions application.