

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 the impact of platform design 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

PUBLICATIONS

1. **B. SCHAFFNER**, A. STEFANESCU, O. CAMPILI, AND M. CHETTY. Don't Let Netflix Drive the Bus: User's Sense of Agency Over Time and Content Choice on Netflix. *To Appear CSCW 2023*.
[Preprint](#).
2. **B. SCHAFFNER**, N. LINGAREDDY, AND M. CHETTY. Understanding Account Deletion and Relevant Dark Patterns On Social Media. *CSCW 2022: Proc. ACM Hum.-Comput. Interact.*
[DOI: 10.1145/3555142](https://doi.org/10.1145/3555142).
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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1109/FiCloud.2018.00043).

Preprints and Work in Submission:

1. S. WANG, K. MACMILLAN, **B. SCHAFFNER**, N. FEAMSTER, M. CHETTY. A First Look at the Consolidation of DNS and Web Hosting Providers. October 2021.
[arXiv:2110.15345 \[cs.NI\]](https://arxiv.org/abs/2110.15345).

Lightly Reviewed Papers:

1. 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?*.
[Position Paper](#).

TALKS

CSCW 2022 - [Recording](#)

October, Taipei, Taiwan (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

1. *California Privacy Protection Agency (CPPA) - August 2022.*

California Consumer Privacy Act Regulations - Public Participation in the Rulemaking Process

M. Chetty, M. Kugler, **B. Schaffner**, L. Strahilevitz.

Submitted Comment: [PDF](#)

2. *Federal Trade Commission (FTC) - August 2022*

Digital Advertising Business Guidance Request for Information

Acquisti et al.

Comment ID: [FTC-2022-0035-0029](#)

3. *European Data Protection Board (EDPB) - May 2022*

Request for Comments on their “Guidelines 3/2022 on Dark patterns in social media platform interfaces: How to recognise and avoid them”

J. Chanenson, M. Chetty, C. Crum, N. Feamster, J. Holiman, A. Khanna, K. MacMillan, B. Pandey, A. Peterson, Z. Rothstein, **B. Schaffner**, L. Strahilevitz, J. Yasmeh.

Feedback Reference: [03/2022-0023](#)

4. *Federal Trade Commission (FTC) - May 2021*

Request for Comments Regarding Topics to be Discussed at Dark Patterns Workshop

M. Chetty, N. Lingareddy, **B. Schaffner**, L. Strahilevitz.

Comment ID: [FTC-2021-0019-0111](#)

SOFTWARE AND ARTIFACTS

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.

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:

Michael Cheng *University of Chicago* (2022-).

Evan Cholerton *University of Chicago* (2022-).

Jiatong Lee, *University of Chicago, Major: Physics* (2022-).

Grace Wang, *Data Science Institute Summer Lab Research Assistant* (2022).

Olivia Campili, *University of Chicago, Major: Computer Science* (2022).

Neha Lingareddy, *University of Chicago, Major: Computer Science* (2021).

High School Students:

Yaretzi Ulloa, *University of Chicago High School Research Assistant* (2022-).

SERVICES AND OTHER ACTIVITIES

Paper Reviewer for CSCW 2022 January

Paper Reviewer for CSCW 2023 July

CHI 2023 Privacy and Security [Subcommittee Chair Assistant](#)

Paper Reviewer for CHI 2023

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

TECHNICAL SKILLS

Primary Language: Python

Proficient: Java, JavaScript, SQL, Bash

Environments: Google Cloud Platform, Microsoft Office Suite, LaTeX, Android Development

REFERENCES

Available on request.