

<p>Education</p>	<p><b>Northeastern University</b>            Ph.D. in Cybersecurity            Research focus and coursework on privacy, usable security, software/network security, and law</p> <p>M.S. in Cybersecurity + Post-baccalaureate Certificate in Computer Science            ALIGN NSF Scholar, Dean's Scholarship</p> <p>B.A. <i>summa cum laude</i> in Political Science and International Affairs            Excellence Scholarship, Huntington 100, Sean Patrick O'Rourke Scholar, Pi Sigma Alpha</p>	<p>Boston, MA            Sep 2019-present</p> <p>May 2020</p> <p>May 2017</p>
<p>Teaching</p>	<p><b>Northeastern University</b>            Teaching Assistant, Khoury College of Computer Sciences            CY4170 The Law, Ethics, and Policy of Data and Digital Technologies</p> <ul style="list-style-type: none"> <li>Designed and delivered midterm and weekly assignments</li> <li>Graded student work and facilitated student success through office hours and one-off advising</li> <li>Delivered class material for case study discussions, writing skills, and career development</li> </ul> <p>Curriculum Developer for ALIGN High School Outreach Program</p> <ul style="list-style-type: none"> <li>Developed and delivered introductory lectures on cybersecurity/BGP routing for high school students</li> </ul>	<p>Boston, MA            Spring 2020, 2021, 2022</p> <p>Oct 2019-Apr 2020</p>
<p>Publications</p>	<p><b>Refereed Journal and Conference Articles</b></p> <p><a href="#">Understanding Dark Patterns in Home IoT Devices</a>  <i>ACM Conference on Human Factors in Computing Systems (CHI'23)</i>            Monica Kowalczyk*, <b>Johanna Gunawan*</b>, Daniel Dubois, David Choffnes, Woodrow Hartzog, &amp; Christo Wilson            Referenced by <a href="#">Consumer Reports</a> and <a href="#">Stacy on IoT (Podcast)</a></p> <p><a href="#">Redress for Dark Patterns Privacy Harms? A Case Study on Consent Interactions</a>  <i>ACM Symposium for Computer Science and Law (CSLAW'22)</i>  <b>Johanna Gunawan</b>, Cristiana Teixeira-Santos, Irene Kamara</p> <p><a href="#">Exploring Deceptive Design Patterns in Voice Interfaces</a>  <i>European Symposium on Usable Security (EuroUSEC'22)</i>            Kentrell Owens, <b>Johanna Gunawan</b>, Pardis Emami-Naeini, David Choffnes, Tadayoshi Kohno, Franziska Roesner</p> <p><a href="#">A Comparative Study of Dark Patterns Across Mobile and Web Modalities</a>  <i>ACM Conference for Computer Supported Cooperative Work and Social Computing (CSCW'21)</i>  <b>Johanna Gunawan</b>, Amogh Pradeep, David Choffnes, Woodrow Hartzog, and Christo Wilson            Referenced by <a href="#">OECD</a>, <a href="#">UK Competition and Markets Authority</a>, <a href="#">Norwegian Consumer Council</a>, <a href="#">US FTC</a>, <a href="#">Testimony to U.S. House</a></p> <p><b>Book Chapters</b></p> <p><a href="#">The Case of the Nosy Neighbors</a>  <i>MIT Case Studies in Social and Ethical Responsibilities of Computing</i>  <b>Johanna Gunawan</b> and Woodrow Hartzog</p> <p><b>Legal Scholarship/Law Review Articles</b></p> <p><a href="#">FORTHCOMING: Privacy Nicks: How the Law Normalizes Surveillance</a>  <i>Washington University Law Review, vol. 101</i>            Woodrow Hartzog, Evan Selinger, and <b>Johanna Gunawan</b></p> <p><a href="#">COVID-19 and the Pandemic of Treacherous Technologies</a>            Published in <i>Seton Hall Law Review Vol. 51 Iss. 5</i>, presented at SHLR Symposium Nov. 2020  <b>Johanna Gunawan</b>, David Choffnes, Woodrow Hartzog, Alan Mislove, and Christo Wilson</p>	<p>Apr 2023</p> <p>Nov 2022</p> <p>Sep 2022</p> <p>Oct 2021</p> <p>Jan 2021</p> <p>2024</p> <p>May 2021</p>

## Contributions to Reports and Comments

Public Comment submitted to the FTC

Nov 2022

*In response to Trade Regulation Rule on Commercial Surveillance and Data Security ANPR*

Public Comment submitted to the FTC by Princeton CITP on behalf of undersigned researchers

Aug 2022

*In response to Digital Advertising Business Guidance Request for Information*

## Workshop Papers

What Evidence is Needed to Prove the Existence of Dark Patterns?

Apr 2023

*ACM CHI Workshop, "Designing Technology and Policy Simultaneously"*

**Johanna Gunawan**, Colin Gray, Cristiana Santos, and Nataliia Bielova

Towards an Understanding of Dark Pattern Privacy Harms

Apr 2021

*ACM CHI Workshop, "What Can CHI Do About Dark Patterns?"*

**Johanna Gunawan**, David Choffnes, Woodrow Hartzog, and Christo Wilson

## Articles/Op-Eds

Beware of Apps Bearing Gifts in a Pandemic

Aug 2020

*Berkman Klein Collection (Medium)*

Woodrow Hartzog, **Johanna Gunawan**, David Choffnes, and Christo Wilson

## Employment

**Max Planck Institute for Security and Privacy**

Bochum, DE

Visiting Scholar Intern, Human-Centered Security and Privacy Group (PI: Yixin Zou)

May 2023-Jul 2023

- Ongoing user privacy and consumer protections research

**Vimeo**

New York City, NY (Remote)

Intern, Security – Governance, Risk, Compliance, & Privacy

Jun 2022-Aug 2022

- Conducted insurance and security documentation audit for third-party risks
- Edited and drafted external trust and security documentation
- Drafted and published internal privacy and security education content
- Assessed, logged, and automated third-party assessment processes across stakeholder needs
- Answered SIG2022 questionnaire items and logged resource dataset for security questionnaires

**Common Sense Media**

San Francisco, CA (Remote)

Privacy Intern

Jun 2021-Sep 2021

- Read and evaluated technology privacy policies for over 100 questions in evaluation against requirements for COPPA, FERPA, and other privacy regulations
- Interpreted results from evaluations dataset and drafted analysis sections for State of Kids Privacy Report
- Drafted, researched, and edited privacy articles for vendor, educator, and parent audiences
- Edited Streaming Devices Report (mentioned in NYT), conference presentations
- Consulted on upcoming privacy projects, including VR/AR

**Rapid7, LLC**

Boston, MA

Technical/UX Writer for Komand & InsightConnect product team

Apr 2018-Aug 2019

- Managed documentation projects for and drafted 70+ pages of knowledge base material/help docs for two versions of security automation product
- Rebuild and improved documentation information architecture for legacy on-premise product
- Collaborated with UX research team on survey design and qualitative/quantitative interviews
- Ran cross-functional meetings with engineering, sales, marketing, product management, UX design, and UX research for identifying and delivering documentation needs and projects

**Akamai Technologies**

Cambridge, MA

Technical Writer (Network Standards)

Jun 2017-Mar 2018

- Drafted internal network hardware installation and maintenance procedures for field technicians
- Improved legacy documentation and information architecture in MediaWiki
- Collaborated with Network Infrastructure Engineers, field technicians, and network design teams

**Smartleaf, Inc**

Cambridge, MA

<b>Smartleaf, Inc.</b>	Cambridge, MA
Junior Technical Writing & Product Management Associate	Jan 2016-May 2017
<ul style="list-style-type: none"> <li>Managed documentation process for quarterly client-facing Asset Management performance reports</li> <li>Drafted internal product and development specs for front-end development team</li> </ul>	
<b>68<sup>th</sup> Japan-America Student Conference (International Student Conferences, Inc.)</b>	(Remote) Washington, D.C.
Executive Committee Vice-Chair, Boston Site Coordinator	Aug 2015-Aug 2016
<ul style="list-style-type: none"> <li>Co- led 16 international committee members to execute month-long conference with \$125,000 budget</li> <li>Developed Social Entrepreneurship Intensive pitch contest program</li> </ul>	
<b>Wellington Management Company LLP</b>	Boston, MA
Legal and Compliance Co-op	Jan 2015-Jul 2015
<ul style="list-style-type: none"> <li>Built automated Excel processes for new account amendments and broker performance benchmarking</li> <li>Advised brokers on investment guidelines, FATCA tax information, and Dodd-Frank adherence for accounts</li> </ul>	
<b>Millward Brown Digital</b>	Boston, MA
Digital Marketing Co-op	Jan 2014-Jul 2014
<ul style="list-style-type: none"> <li>Drafted and published original thought leadership content</li> <li>Monitored, edited, and formatted WordPress blog and all company-affiliated social media channels</li> <li>Interpreted Google Analytics and SproutSocial data to adjust and create digital/social campaigns</li> <li>Initiated product rationalization framework project</li> </ul>	

## Speaking

<b>Guest Lecturer</b>	
Privacy: What is it?	Jul 2022
Northeastern University IDEAS Summer School	
<b>Panelist</b>	
Emerging Transdisciplinary Perspectives to Confront Dark Patterns	Apr 2023
CHI 2023 Panel	
Interfaces and Dark Patterns Panel	Nov 2022
Federal Trade Commission, PrivacyCon 2022	
What are Dark Patterns and Why are they Employed? (Panel 1)	Apr 2021
Federal Trade Commission Workshop, <a href="#">Bringing Dark Patterns to Light</a>	
COVID-19 and the Pandemic of Treacherous Technologies	Nov 2020
Seton Hall Law Review <a href="#">Symposium on Privacy, Healthcare, and Artificial Intelligence</a>	

## Service

<b>Program Committee Member</b>	
Privacy Enhancing Technology Symposium (PETS)	2023
<b>External Reviewer</b>	
International Conference on Computational Computer Science (IC2S2)	2023
ACM Conference on Computer-Supported Cooperative Work (CSCW)	2023
ACM Conference on Human Factors in Computing Systems (CHI)	2022, 2023
ACM Symposium on User Interface Software and Technology (UIST)	2022, 2023
Privacy Enhancing Technology Symposium (PETS)	2022
<b>Committees and Volunteering</b>	
Privacy Law Scholars Conference (PLSC), Lead Student Volunteer	2022
Ph.D. in Cybersecurity Committee, Student Member	2022
Privacy Law Scholars Conference (PLSC), Student Volunteer	2021
ALIGN Master's in Computer Science Recruitment, Student Ambassador	2018-2020

## Mentoring

Princessa Cintagia, B.S. in Economics at University of Indonesia (at MPI)	c/o 2025
Tim Swierzewski, M.S. in Computer Science (Khoury MS Apprentice)	c/o 2023
Jonathan Chery, M.S. in Computer Science (now PhD student in Cybersecurity at NU)	c/o 2021
Maryam Motallebi, independent researcher (now PhD student in Computer Science at NU)	c/o 2021
Monica Kowalczyk, B.S. in Cybersecurity and Criminal Justice	c/o 2024

## Skills & Knowledge

**Technologies:** Programming (Python, C, JavaScript, bash), Data Analysis (numpy, pandas, seaborn, matplotlib, scikit), Markup (HTML, Markdown, LaTeX, MediaWiki), Presentations (MS Powerpoint, Google Slides), Word processing (MS Word, LaTeX, ReadMe, Scrivener), Agile (JIRA Kanban/SCRUM), Design/UX (Invision, Sketch), Web Development (Django/Python, Jekyll)

**Professional Skills:** Oral and written communication; public speaking and presentations; academic, technical, and UX writing; quantitative and qualitative research; project management

**Familiarity with Regulations/Frameworks:** NIST 800-53, ISO Common Criteria, SANS Security Policies, GDPR, U.S. privacy and data laws (CCPA/CPRA, BIPA, HIPAA, COPPA, FERPA), SIG questionnaires