

## EDUCATION

### Massachusetts Institute of Technology

2018–                      Ph.D. Electrical Engineering & Computer Science  
Minor in Science, Technology, and Society  
Advisor: Arvind Satyanarayan  
2018–2020              S.M. Electrical Engineering & Computer Science

### Princeton University

2014–2018              B.S.E. Computer Science  
Advisor: J. Nathan Matias  
Certificate in Visual Arts  
Advisor: David Reinfurt

### University of Oxford

Spring 2017            Visiting Student

## RESEARCH EXPERIENCE

### Visualization Group, MIT Computer Science and Artificial Intelligence Lab

2018–                      Graduate Research Assistant  
Advisor: Arvind Satyanarayan

### Citizens and Technology Lab, Cornell University

Jun–Aug 2020          Graduate Research Fellow  
Mentor: J. Nathan Matias

### Center for Information Technology Policy, Princeton University

2017–2018              Undergraduate Researcher  
Advisor: J. Nathan Matias

### Oxford Internet Institute, University of Oxford

Feb–Jun 2017          Undergraduate Researcher  
Mentor: Scott Hale

### Fluid Interfaces Group, MIT Media Lab

Jan 2016                   Undergraduate Researcher  
Mentor: Tal Achituv

## WORK EXPERIENCE

### Google Research, AI UX Team

Jun–Sep 2018          UX Engineering Intern

### Google Design, Material UX Team

Jun–Sep 2017          UX Engineering Intern

### Linked by Air

Jun–Aug 2016          Software and Design Intern

### Square

Jun–Sep 2015          Software Engineering Intern

### Coursera

Jun–Aug 2014          Software Engineering Intern (KPCB Engineering Fellow)

## AWARDS & HONORS

2020                      **Schnitzer Prize in the Visual Arts, MIT**

2019                      **Paul and Daisy Soros Fellowship for New Americans**  
**NSF Graduate Research Fellowship**  
**Hertz Foundation Fellowship Finalist**

2018                      **Lucas Award in Visual Arts, Princeton University**  
**NSF Graduate Research Fellowship Honorable Mention**

2017	<b>Santos-Dumont Prize for Innovation, Princeton University</b> <b>Tau Beta Pi Scholarship</b> <b>Students All to Chaumont 3rd Place, Centre National du Graphisme</b> <b>Peter B. Lewis Summer Fund for the Arts</b>
2016	<b>Facebook Global Hackathon Finals Honorable Mention</b>
2015	<b>Greylock Partners Hackfest, 1st Place</b>
2014	<b>HackRice, 1st Place, Rice University</b> <b>KPCB Engineering Fellowship</b> <b>MIT THINK Scholars</b> <b>Interact Fellowship</b>
2012	<b>Eagle Scout</b>

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

2022. **Bartleby: Procedural and Substantive Ethics in the Design of Research Ethics Systems.** [Jonathan Zong](#), J. Nathan Matias. *Social Media + Society*.
2020. **Representing Real-Time Multi-User Collaboration in Visualizations.** Rupayan Neogy, [Jonathan Zong](#), Arvind Satyanarayan. *IEEE Visualization Conference (VIS)*.
2020. **Lyra 2: Designing Interactive Visualizations by Demonstration.** [Jonathan Zong](#), Dhiraj Barnwal, Rupayan Neogy, Arvind Satyanarayan. *IEEE Transactions on Visualization and Computer Graphics (IEEE VIS)*.
2019. **Unruly Cyborgs: The Relational Set Designs of Isamu Noguchi.** [Jonathan Zong](#). *Liminalities: A Journal of Performance Studies*.

### MAGAZINE ARTICLES

2020. **From Individual Consent to Collective Refusal.** [Jonathan Zong](#). *ACM XRDS (Crossroads)*.

### WORKSHOPS, CONFERENCES, POSTERS, AND DEMOS

2021. **Design Spaces of Domain-Specific Languages: Comparing and Contrasting Approaches in PL and HCI.** [Jonathan Zong](#)<sup>\*</sup>, Josh Pollock<sup>\*</sup>, Dylan Wootton, Arvind Satyanarayan. *PLATEAU Workshop on the Intersection of HCI and PL*.
2021. **Pointing, Mutual Intelligibility, and the Seeing Subject in HCI.** [Jonathan Zong](#). *Computer Mouse Conference*.
2020. **The (Minimal) Persuasive Advantage of Political Video over Text.** Chloe Wittenberg, Adam Berinsky, [Jonathan Zong](#), David Rand. *International Conference on Computational Social Science*.
2020. **Lyra: An Interface for Designing Interactive Visualizations.** [Jonathan Zong](#), Dhiraj Barnwal, Rupayan Neogy, Arvind Satyanarayan. *Computation + Journalism Symposium*.
2020. **Collective Refusal and the Limits of Informed Consent for Data Protection.** [Jonathan Zong](#), J. Nathan Matias. *Data & Society Contested Data Workshop*.
2018. **Automated Debriefing: Interface for Large-Scale Research Ethics.** [Jonathan Zong](#), J. Nathan Matias. *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing*.
- Best Demo Award**

### THESES

2018. **Empirically Studying Research Ethics with Interface Designs for Debriefing Online Field Experiments.** *B.S.E. Thesis, Princeton University*.

## TALKS & PRESENTATIONS

### INVITED TALKS

2020. **Designing Systems to Theorize Collective Power.** *Digital Theory Lab, NYU Media, Culture, and Communication*.

2020. **Layered Abstractions for Interactive Visualization Design.** *Digital Structures Group, MIT Department of Architecture.*

2019. **"The Most Liberal of Arts".** *Lewis Center for the Arts, Princeton University.*

2018. **Public Accountability in Research Ethics.** *CivilServant Research Summit, MIT Media Lab.*

#### CONFERENCE TALKS

2020. **Public Display and Biometric Sans: Embodied Writing in the Age of Data.** *Before and Beyond Typography, Stanford University Department of History.*

2019. **In Our Own Image: The Autonomy of Artificial Bodies in Synthetic Porn.** *Panel: Internet Connection · Theorizing the Web.*

#### PUBLIC SCHOLARSHIP

#### OP-EDS

2019. **The Struggle to Democratize MIT.** Rodrigo Ochigame, Alan Lundgard, Alonso Espinosa Dominguez, [Jonathan Zong](#), Gabrielle Ballard, Sally Haslanger, Edmund Bertschinger, Mani Mengiste, Ruth Perry. *The Tech (MIT).*

2019. **Consent Is Not an Ethical Rubber Stamp.** Crystal Lee\*, [Jonathan Zong](#)\*. *Slate.*

2018. **Researching the Researchers: Ethics and Privacy in Institutional Research.** [Jonathan Zong](#). *Nassau Weekly.*

#### CONVERSATIONS

2021. **Form, Content, Data, Bodies: Jonathan Zong and Beth Semel on Biometric Sans.** [Jonathan Zong](#), Beth Semel. *Somatosphere.*

2021. **Holly Herndon in conversation with Tabea Nixdorff and Jonathan Zong.** *Version Space.*

2018. **w-t-f: a conversation with Eric Li and Jonathan Zong.** *Lewis Center for the Arts, Princeton University.*

#### DATA JOURNALISM

2021. **The Data Visualizations Behind COVID-19 Skepticism.** Crystal Lee, [Jonathan Zong](#), Anna Arpaci-Dusseau, Katherine Huang, Mateo Monterde, Ethan Nevidomsky, Tanya Yang, Anna Meurer, Soomin Chun, Arvind Satyanarayan. *MIT Visualization Group.*

#### TEACHING

2020                    **AI, Justice, Imagination: Technology and Speculative Fiction**  
Tufts University Experimental College  
Adjunct Lecturer (co-instructor with Janet Zong York)

#### EXHIBITIONS

2020                    **WRECKED ALPHABET.** *Marcel Broodthaers Society of America.*  
**BODY TEXT.** *Wiesner Gallery, MIT.*

2018                    **w-t-f.** *Lucas Gallery, Princeton University.*  
**Internet Yami-Ichi.** *Rhizome, New Art Dealers Alliance.*

2017                    **\*a graphic design exhibition\*.** *Princeton University and IN-FO.CO, Los Angeles.*  
**Faire Signe.** *Biennale de design graphique, Chaumont, France.*

#### COLLECTIONS

2018                    **Van Alan Clark, Jr. Library, School of the Museum of Fine Arts, Tufts University**  
Everyone Should

2016                    **Graphic Arts Collection, Firestone Library, Princeton University**  
Nap Poems

#### ART BOOK FAIRS

2019                    **Tiny Tech Zines, Navel LA**  
with Free Radicals

2019                    **Press Play, Pioneer Works**

with Tech Zine Fair

2018

**Odds and Ends, Yale University**

**Zine Soup 3.0: Makers Market, Chinatown Soup**

**NY Tech Zine Fair, School for Poetic Computation**

**Boston Art Book Fair, Boston Center for the Arts**

## STUDENT MENTORSHIP

### M.ENG. STUDENTS

2020–21 EJ Sefah, Katie Bacher

2019–20 Rupayan Neogy

### UNDERGRADUATE STUDENTS

Jan–Jul 2022 Matt Blanco (Northeastern)

Jun–Aug 2021 JiWoong Jang (CMU)

Sep–Dec 2020 Anna Arpaci-Dusseau, Katherine Huang, Mateo Monterde, Ethan Nevidomsky, Tanya Yang, Anna Meurer, Soomin Chun

## SERVICE

### PEER REVIEWING

2021 IEEE VIS, ACM CHI

### COMMUNITY BUILDING & ACTIVISM

2020– MIT Graduate Student Union, Organizer

2020– MIT Human-Computer Interaction, Social Chair

2019–20 MIT Students Against War

## SELECTED PRESS

### QUOTED

2021. **Digital exclusions: mental health and digital life.** *Our Sick Society Podcast.*

2020. **Facial Recognition Software: Masks, Ethics & The Future.** *Forbes.*

2019. **The Dark Implications of Facial Swap Filter Technology.** *Paper Magazine.*

### FEATURED

2021. **Helping data journalists create interactive graphics.** *MIT CSAIL News.*

2020. **Students Plumb Barriers of Sound, Space, and Sight at MIT.** *Arts at MIT.*

2020. **Bezos, Bodies, and Backprop.** *The Tech (MIT).*

2018. **PolitEcho: A Mirror for the “Daily Me”.** *Frontier Magazine.*

2017. **How to Escape Your Political Bubble for a Clearer View.** *The New York Times.*

2016. **This browser extension shows how biased your social media feed is.** *A.V. Club.*

2016. **Find out just how biased your Facebook feed is with this Chrome extension.** *Mashable.*

2016. **A Browser Extension That Shows You Your Filter Bubble.** *New York Magazine.*