

JONATHAN ZONG

www.jonathanzong.com
jzong@mit.edu

EDUCATION

Massachusetts Institute of Technology

Ph.D. Computer Science · 2018–

S.M. Computer Science · 2018–2020

Princeton University

B.S.E. Computer Science & Visual Arts

GPA: 3.87/4.00 · 2014–2018

University of Oxford

Visiting Student · January–June 2017

RESEARCH EXPERIENCE

Visualization Group, MIT Computer Science and Artificial Intelligence Laboratory

Research Assistant · Adviser: Prof. Arvind Satyanarayan · September 2018–

Citizens and Technology Lab, Cornell University

Adviser: Prof. J. Nathan Matias · June–August 2020

Center for Information Technology Policy, Princeton University

Undergraduate Researcher · Adviser: Dr. J. Nathan Matias · August 2017–June 2018

Oxford Internet Institute

Undergraduate Researcher · Adviser: Dr. Scott Hale · February–June 2017

Fluid Interfaces Group, MIT Media Lab

Undergraduate Researcher · Adviser: Tal Achituv · January 2016

WORK EXPERIENCE

Google, Research and Machine Intelligence

UX Engineering Intern · June–September 2018

Google, Material Design

UX Engineering Intern · June–September 2017

Linked By Air

Design and Software Intern · June–August 2016

Square

Software Engineering Intern · June–August 2015

Coursera · KPCB Engineering Fellow

Software Engineering Intern · June–August 2014

PUBLICATIONS

CONFERENCE AND JOURNAL PAPERS

Rupayan Neogy, Jonathan Zong, and Arvind Satyanarayan. 2020. **Representing Real-Time Multi-User Collaboration in Visualizations**. *IEEE Transactions on Visualization and Computer Graphics*.

Jonathan Zong, Dhiraj Barnwal, Rupayan Neogy, and Arvind Satyanarayan. 2020. **Lyra 2: Designing Interactive Visualizations by Demonstration**. *IEEE Transactions on Visualization and Computer Graphics*.

Jonathan Zong. 2019. **Unruly Cyborgs: The Relational Set Designs of Isamu Noguchi**. *Liminalities: A Journal of Performance Studies*.

WORKSHOPS / POSTERS / DEMOS

Chloe Wittenberg, Adam Berinsky, Jonathan Zong and David Rand. 2020. **The (Minimal) Persuasive Advantage of Political Video over Text**. *International Conference on Computational Social Science*.

Jonathan Zong, Dhiraj Barnwal, Rupayan Neogy, and Arvind Satyanarayan. 2020. **Lyra: An Interface for Designing Interactive Visualizations**. *Computation + Journalism Symposium*.

Jonathan Zong and J. Nathan Matias. 2020. **Collective Refusal and the Limits of Informed Consent for Data Protection**. *Data & Society Contested Data Workshop*.

Jonathan Zong and J. Nathan Matias. 2018. **Automated Debriefing: Interface for Large-Scale Research Ethics**. *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '18)*. · **Best Demo Award**

WRITING

Pointing, Mutual Intelligibility, and the Seeing Subject in HCI · 2021
Computer Mouse Conference / The Mouse Sees

From Individual Consent to Collective Refusal · 2020
ACM XRDS (Crossroads)

Consent Is Not an Ethical Rubber Stamp · 2019
Slate · *With Crystal Lee*

Researching the Researchers: Ethics and Privacy in Institutional Research · 2018
Nassau Weekly

CONVERSATIONS

Form, Content, Data, Bodies: Jonathan Zong and Beth Semel on Biometric Sans · 2021
Somatosphere · *With Beth Semel*

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

PRESENTATIONS

INVITED TALKS

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

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

“The Most Liberal of Arts” · 2019
A *New* Program for Graphic Design, Princeton University

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

CONFERENCE TALKS

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

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

TEACHING

AI, Justice, Imagination: Technology and Speculative Fiction · Spring 2020
Tufts University, Experimental College. Co-instructor with Janet Zong York

EXHIBITIONS

WRECKED ALPHABET · Marcel Broodthaers Society of America
Biometric Sans · October–December 2020

- Group exhibition on the institution of signs. Artforum critics' choice.

BODY TEXT · Wiesner Gallery, Massachusetts Institute of Technology
Solo exhibition · January–February 2020

- Exhibition about legibility, control, and the digital representation of bodies

w-t-f · Lucas Gallery, Princeton University
Solo exhibition · March 2018

- Senior thesis exhibition about identity, self-representation, and embodiment

Internet Yami-Ichi with Rhizome · New Art Dealers Alliance Art Fair
Everyone Should · March 2018

Faire Signe · Biennale de design graphique, Chaumont, France
You Have Agency · May–September 2017

- Interactive tool depicting the exchange relations that tie consumers to the Trump Administration (3rd place in juried international student competition)

The VIS Junior Show · Butler Gallery, Princeton University
i am jonathan zong by joe scanlan · April–May 2017

- Installation exploring identity, authorship, and time; with Drew Wallace

COLLECTIONS

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

Graphic Arts Collection · Firestone Rare Books Library, Princeton University
Nap Poems · May 2016

- Letterpress edition of original poetry commissioned from Letterpress Club by poets Monica Youn, Rowan Ricardo Phillips, Michael Dickman, and Ben Lerner

ART BOOK FAIRS

- **Tiny Tech Zines** · *with Free Radicals* · Navel LA · 2019
- **Press Play** · *with Tech Zine Fair* · Pioneer Works · 2019
- **Odds and Ends Art Book Fair** · Yale University · 2018
- **Zine Soup 3.0: Makers Market** · Chinatown Soup · 2018
- **NY Tech Zine Fair** · School for Poetic Computation · 2018
- **Boston Art Book Fair** · Boston Center for the Arts · 2018

MENTORSHIP AND SERVICE

- **Peer Reviewing:** IEEE VIS 2021
- **Mentoring:** EJ Sefah, Katie Bacher (MIT MEng '21). Rupayan Neogy (MIT MEng '20). Anna Arpaci-Dusseau, Katherine Huang, Mateo Monterde, Ethan Nevidomsky, Tanya Yang, Anna Meurer, Soomin Chun (MIT UROP Fall '20).

SELECTED PRESS

- **Facial Recognition Software: Masks, Ethics & The Future**
Forbes · August 25, 2020
- **Students Plumb Barriers of Sound, Space, and Sight at MIT**
Arts at MIT · May 27, 2020
- **Bezos, Bodies, and Backprop**
The Tech · Mar 5, 2020
- **The Dark Implications of Facial Swap Filter Technology**
Paper Magazine · June 11, 2019
- **w-t-f: A Conversation with Seniors Eric Li and Jonathan Zong**
Lewis Center for the Arts, Princeton University · March 14, 2018
- **PolitEcho: A Mirror for the "Daily Me"**
Frontier Magazine · May 2018
- **How to Escape Your Political Bubble for a Clearer View**
New York Times · March 3, 2017
- **This browser extension shows how biased your social media feed is**
A.V. Club · December 2, 2016
- **A Browser Extension That Shows You Your Filter Bubble**
New York Magazine · November 30, 2016

HONORS AND AWARDS

- Schnitzer Prize in the Visual Arts, MIT · 2020
- Paul and Daisy Soros Fellowship for New Americans · 2019
- NSF Graduate Research Fellowship · 2019
- Hertz Foundation Fellowship Finalist · 2019
- Lucas Award in Visual Arts, Princeton University · 2018
- NSF Graduate Research Fellowship Honorable Mention · 2018
- Santos-Dumont Prize for Innovation, Princeton University · 2017
- Tau Beta Pi Scholarship · 2017
- Students All to Chaumont, le Signe · 3rd Place · 2017
- Peter B. Lewis Summer Fund for the Arts · 2016, 2017
- Facebook Global Hackathon Finals · *Honorable Mention* · 2016
- Andreessen Horowitz Generation Design Mentorship Program · 2016
- Greylock Hackfest, Greylock Partners · 1st Place · 2015
- HackRice, Rice University · 1st Place · 2014
- KPCB Engineering Fellowship · 2014
- MIT THINK Scholars · 2014
- Eagle Scout · 2012