

# JONATHAN ZONG

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## EDUCATION

Massachusetts Institute of Technology

*Ph.D. Electrical Engineering and Computer Science* · 2018–

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

MIT Computer Science and Artificial Intelligence Laboratory, Visualization Group

*Adviser: Prof. Arvind Satyanarayan* · September 2018–

Oxford Internet Institute

*Adviser: Dr. Scott Hale* · February–June 2017

- Developed data analysis for Transnet, traffic visualization and prediction tool for Oxford County Council using mobility data from Google

MIT Media Lab, Fluid Interfaces Group

*Adviser: Tal Achituv* · January 2016

- Designed control software in Arduino and Node.js for Project Express, an assistive tool for people with physical disabilities to paint by robotic airbrush

## WORK EXPERIENCE

Google, Research and Machine Intelligence

*UX Engineering Intern* · June–September 2018

- Designed interfaces for transparently representing machine intelligence

Google, Material Design

*Software Engineering Intern* · June–September 2017

- Designed and implemented tools for motion designers to create interactive visualizations for the public-facing Material Design Guidelines

Linked By Air

*Design Intern · Peter B. Lewis Fund Award* · June–August 2016

- Designed and built web interfaces with studio for clients including Printed Matter, Columbia University GSAPP, NYC Councilman Brad Lander

Square

*Software Engineering Intern* · June–August 2015

- Improved user experience of Online Store checkout by integrating buyer logins and payment card linking using Ember, Backbone, Java

Coursera · KPCB Engineering Fellow

*Infrastructure Engineering Intern* · June–August 2014

- Improved feature set of internal server provisioning tools, deployment processes, and error monitoring relied on by all teams using Scala

## PUBLICATIONS

Automated Debriefing: Interface for Large-Scale Research Ethics · November 2018

ACM Computer-Supported Cooperative Work

## PRESENTATIONS

Public Accountability in Research Ethics · 2018

CivilServant Research Summit, MIT Media Lab

## EXHIBITIONS

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

- Handmade book of things everyone should do, edition of 4

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

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

## WRITING

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

## LEADERSHIP AND COMMUNITY

Council on Science and Technology, Princeton · *Student Ambassador* · 2016–2017  
Lead electronics and fabrication workshops in the StudioLab makerspace

Design Summer · *Founder, Lead Organizer* · 2015–2016

Founded group of 800+ design interns, co-hosted events with companies like Facebook, Airbnb, IDEO; raised \$2000 sponsorship from Khosla Ventures

Princeton Letterpress Club · *President* · 2015–2017

Raised department funding from English, Visual Arts, Creative Writing

Princeton Entrepreneurship Club · *Design Director* · 2014–2016

Princeton University Sinfonia · *Cellist, Graphic Designer* · 2014–2017

## HONORS AND SCHOLARSHIPS

- 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 · \$2000 · 2017
- Students All to Chaumont, le Signe · 3rd Place, €500 · 2017
- Facebook Global Hackathon Finals · *Honorable Mention* · 2017
- Peter B. Lewis Summer Fund for the Arts · \$2000 · 2016, 2017
- Andreesen Horowitz Generation Design Mentorship Program · 2016
- Greylock Hackfest, Greylock Partners · 1st Place, \$10,000 · 2015
- HackRice, Rice University · 1st Place, \$1000 · 2014
- KPCB Engineering Fellowship · 2014
- MIT THINK Scholars · \$2000 · 2014
- Eagle Scout · 2012

## SELECTED PRESS

w-t-f

- w-t-f: A Conversation with Seniors Eric Li and Jonathan Zong  
*Lewis Center for the Arts, Princeton University* · March 14, 2018

PolitEcho

- Social media's effect on democracy is "Alexander Hamilton's nightmare"  
*Quartz* · March 17, 2017
- Popping your political filter bubble  
*Al Jazeera* · March 7, 2017
- 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

Smart Windows

- A Window of Opportunity  
*Imagine Magazine, Johns Hopkins University* · Vol 22#5, May/June 2015