

# JONATHAN ZONG

www.jonathanzong.com  
(832) 769 1958  
jonathan@jonathanzong.com

## WORK EXPERIENCE

### Google, Material Design

UX Engineering Intern · June–September 2017

### Oxford Internet Institute

Research Assistant · February–June 2017

- Developed interactive visualizations and models for TRANSNET, traffic analysis tool for Oxford City Council

### Linked By Air

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

- Designed and built web interfaces with studio for clients including arch.columbia.edu, bridginggowanus.org
- Impacted public face of studio by launching new studio portfolio site and initiating new typography app for iOS

### MIT Media Lab, Fluid Interfaces

Research Intern · January 2016

- Developed assistive self-expression tool for people with physical disabilities to paint by robotic airbrush
- Wrote Arduino motor control interface and Node.js/Socket.io server to pass messages over serial

### Square

Software Engineering Intern · June–August 2015

- Improved user experience of Online Store checkout by integrating buyer logins and payment card linking
- Collaborated across teams to implement both UI and backend updates in Ember, Backbone, Java.

### Coursera · KPCB Engineering Fellow

Infrastructure Engineering Intern · June–August 2014

- Created metrics dashboards to monitor deployment errors, now part of standard deploy process
- Improved feature set of internal Amazon AWS provisioning tools in Scala/Play for all frontend teams

## LEADERSHIP AND COMMUNITY

### Design Summer

Founder · March 2015–Present

Founded community of 800+ design interns, organized events with companies like Airbnb, Facebook, IDEO, and Google, raised sponsorship from Khosla Ventures

### Princeton Letterpress Club

President · September 2015–Present

- Produced poetry book *Nap Poems*, collected by Graphic Arts Collection at Princeton Rare Books Library

### Eagle Scout · Troop 424

Patrol Leader · Skills Instructor · 2012

Constructed organic community garden for the underserved in Houston area

## EDUCATION

### Princeton University

B.S.E. Computer Science · Program in Visual Arts

GPA: 3.84/4.00 · September 2014–Present

Junior Research: Interactive Machine Learning for Contextual Multi-armed Bandit Problems  
COS 597: Interactive Illustration (grad seminar)  
VIS 415: Advanced Graphic Design - Interface

### University of Oxford

Visiting Student · January–June 2017

Social Dynamics of the Internet (grad tutorial)

## SELECTED PROJECTS

### PolitEcho · Facebook Global Hackathon Finalist

Visualize political bias · 20,000+ users · 2016

- Designed extension to visualize political bias in Facebook news feed using friend data
- Featured on the New York Times front page

### Smart Windows · MIT THINK Scholar

Automated switchable windows · MIT Funding · 2014

- Built energy efficient windows that change tint based on sensors; transition lenses for the home
- Recognized nationally for project proposal (one of three awarded prototype funding from MIT)

### Hermes Keyboard · Greylock Hackfest 1st Prize

Assistive iOS Keyboard Platform · \$10,000 Prize · 2015

- Built keyboard extension that allows users to query information from outside apps in the auto-correct bar based on conversational context

### DeuterIDE

IDE/text editor on Android · 10,000+ installs · 2012

- Created tool to write/run code on Android
- Wrote multi-language syntax highlighter and implemented online code compilation

### GameCalc · HackRice 1st Prize

Math Education Gamified · \$1,000 Prize · 2014

- Created Android game where users learn math by unlocking the buttons on a calculator

## TECHNICAL SKILLS

Programming: Java, Scala, Javascript, Swift, Python, C, PHP, HTML, CSS/Sass

Tools: Node.js, Ruby on Rails, Ember.js, Three.js, Arduino, Android, iOS, Git, Wordpress

Visual: Sketch, Illustrator, InDesign, Processing