# Jasdev Singh

## Senior software engineer and educator

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🐦 @jasdev

## Education

**University of Virginia, '10–'14**
BA Mathematics, BS Computer Science—3.7/4.

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**Recurse Center, Fall 1, '15 and Spring 2, '20**
**Advanced Functional Programming, Summer '19**
**Orbital's Engineering Management Studio, Fall '18**
**South County Secondary School, '06–'10**
**VA Governor's School for Mathematics, Summer '09**

## Selected projects

**Peloton (iOS)**
Having worked on the project for over three years, I've been in most corners. A few: Challenges, HealthKit, and HRM support.

**NYC Point-Free Study Group**
Organize a weekly, functional prog. study group.

**Tumblr (iOS)**
Specifically, the networking stack, native third-party auth., performance logging, and a Swift rewrite.

**Public Extension**
A micro-blog of Swift extensions, @PublicExtension.

**Imgur (iOS)**
Upload, search, and the networking layer.

**Network and sentiment analysis in dance music**
Thesis research covering network and sentiment analysis of artist set lists and textual comment data overlaying SoundCloud uploads, respectively.

## Work

**Peloton, November '16–March '20**
Senior software engineer.

**Tumblr, November '15–November '16**
iOS core engineer.

**Imgur, June '14–August '15**
API lead and iOS engineer.

**Fitocracy, Spring '14**
Software engineering intern.

**Twitter, Summer '13**
KPCB engineering fellow.

**Microsoft, Summer '11 and '12**
Software engineering intern.

## Selected experiences and awards

· Member of the Minorities in Applied Category Theory '20 research community.
· Contributor to CombineCommunity/CombineExt.
· Gotham's Poetry I '20 course.
· Talks at both iOSoho and Brooklyn Swift meetups.
· Functional Swift '15 and '18 attendee.
· XOXO Fest '16 and '18 attendee.
· Catapult's Fall '18 essay writing course.
· Lead Organizer HackUVA '14.
· Student-founder at HackCville.
· ICPC programming contest regional qualifier.
· Two-time finalist at PennApps, '12 and '13.
· President, Mu Alpha Theta (Maths Honors Society).

## Related skills

**Languages and mathematics**
Swift and Haskell—with exposure to others. For maths, a focus on category theory and abstract algebra.

**Frameworks and architectures**
Combine, RxSwift, SwiftUI, UIKit, MVVM, and reducer-based architectures.

**Writing**
Published longer-form technical and personal writing on my blog, Distillations, since '15.

**Mentoring and hiring**
Grew Peloton's iOS team from three to nine folks over the course of three years—during which, I onboarded, mentored, and helped structured the interview process.