

# Phil Del Vecchio

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github.com/pdv

## EXPERIENCE

### Senior Software Engineer, GameChanger (acquired by Dick's Sporting Goods)

New York, NY — November 2016 - July 2018

- Primary front-end architect and lead Android developer for Team Manager, a new app for managing rosters, events/RSVP, and messaging (iOS and Android, native)
  - Created a cross-platform Redux-like frontend architecture and state management system based on the principles of Reactive Functional programming
  - RxSwift / RxKotlin, Dagger 2, Realm, Anko, Retrofit, Picasso, Moya, Alamofire
- Joined the platform team, responsible for DevOps, site reliability / firefighting, and server-side feature development (AWS, Docker, Mongo, Kafka, Postgres)

### Software Engineer, GameChanger

New York, NY — May 2016 - November 2016

- Feature development on iOS, Objective-C to Swift refactoring
- Part of a special team developing GC's first Android app from scratch to iOS parity
  - Introduced RxJava, Dagger, Realm, and MVP architecture
  - Developed highly interactive features like Scorekeeping and GameStream

### Intern, GameChanger

New York, NY — Summer 2015

- Full-stack feature development for the Baseball/Softball Scorekeeping product
  - Objective-C, Python/Django, jQuery, Coffeescript, Mongo, Scheme
- Developed a set of internal web-based data visualization tools

### Intern, Adams Communication & Engineering Technology

Reston, VA — Summer 2014

- Created and administered a Microsoft SharePoint site for product management
- Designed, developed, and deployed company-wide Intranet site

## EDUCATION

### University of Pennsylvania

Philadelphia, PA — 2012-2016

B.S.E., *summa cum laude*, Computer Science; Minor in Mathematics

## SELECTED PERSONAL PROJECTS

### MC1 (Android)

- A modular MIDI controller for Android, currently in Beta
- Uses RxMidi, an Rx wrapper I built around Android's MIDI capabilities
- Built on my "Danko" architecture, bringing Redux state management and Rx to Anko

### Fugue (Web / Clojurescript)

- Senior Design project at Penn, advised by Dr Steve Zdancewic
- DSL for live music coding, bridging MIDI and Audio in a functional context
- Featuring a bootstrapped editor and REPL in the browser, collaborative live coding

### Feb Club (iOS / Android / Web / Google App Engine)

- Foursquare-like event check-in app designed and built for Penn Senior Class Board, on which I served as "Creative Director" in charge of tech, design, and photography
- 100% uptime for all 29 days of events in Feb 2016, still in use by later classes