

Intermediate Android: Syllabus

January 13, 2020 / 9:00 PM - 10:00PM EST

Important Links

[Workshop Hackpack](#)

Pre-workshop checklist, and resources to explore during and after the workshop.

[Hack the North 2020++ Event Schedule](#)

Check this out to stay up-to-date on activities, workshops, and other key happenings this weekend.

Motivator

Okay hotshot you know how to create simple Android applications. Great! In this workshop I'll be covering tools you really should learn if you want to succeed.

Constraint Layout and RecyclerView are probably the two most important components to master. I'll also briefly cover the best parts of Kotlin so you can enjoy the best it has to offer without getting too invested.

Prerequisite Knowledge

In order to get the most out of this workshop you should be comfortable with the following concepts:

- Basic Programming knowledge
- Android Studio installed and able to run applications
- Ability to create a simple Android application
- Optional: Knowledge of git

Learning Outcomes

This is what you will walk away from the workshop able to do:

1. Learn all the Kotlin you'll ever need (at a hackathon level)
2. Understand the best layout: Constraint Layout
3. Understand how to properly display lists in Android
4. Know the hottest new view components you should use

Timeline (1 hour)

Time	Module	Description
5 min.	Who I am & the goal of this workshop	
10 min.	All the Kotlin you need to know for Android	All is a bit of an overstatement... But I'll cover Kotlin specific features you can use
10 min.	Everything about containers and Constraint layout	Constraint Layout
5 min.	Q&A + break	
20 min.	Everything about recyclerviews	If you want to have lists you'll need to know how to use Recyclerviews. ListView? Get that listView garbage away from me.
5 min.	Closing Remarks	
5 min.	Q&A	