

# David Albers

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## EXPERIENCE

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### Acorns

remote, based in Chicago, IL

#### Android Developer, Android Developer

Feb 2022 - now

Helped modularize Android project

- Demonstrated the effect of large modules on build and test time with module-based metrics
- Customized Gradle and CI pipeline to decrease test time by 75% and total CI usage by 50%
- Converted Acorn's screenshot testing framework to use JVM-based testing with Roborazzi
- Added AffectedModuleDetector to only test affected modules

Lead effort to replace cache singleton with Apollo Kotlin's normalized cache

- Refactored cache singleton usage in View to use MVVM with Apollo
- Created extensive docs on using caching and how to refactor View architecture

Release manager for the weekly release rotation

- Automated release management so devs no longer ran custom release scripts

Added metrics for flaky tests and used it fix common issues

### Expedia

Chicago, IL

#### Android Developer, Android Developer

Jan 2018 - Feb 2022

Integrated a new GraphQL API using Apollo Android

Helped bring Expedia's design system to Android

- Wrote design system tokens, code, and components for system's Android library

Core member on a server-driven UI (SDUI) project that combined above design system & API

- created proofs-of-concept and later implemented solutions for library architecture
- setup publishing of library on Jenkins then later migrated it to Github Actions (GHA)
- helped onboard teams of contributors to the project

### First Orion

Little Rock, AR

#### Android Developer

Nov 2016 - Dec 2017

Handled push messages from both Google Cloud Messaging (GCM) and Firebase

Wrote UI and unit tests in Espresso, Mockito, Calabash, & Appium

### CymSTAR

Tulsa, OK

#### Intern then Software Engineer

Jan - Nov 2016

Debugged and solved issues caused by upgrading real-time OS (VxWorks) on A-10 simulator

Added functionality to Instructor Operating Software to improve simulator control

### InvoTek

Alma, Arkansas

#### Software Intern

Aug 2011 - Jan 2016

Created accessible user interfaces by providing alternative access methods such as switch input

Implemented Bluetooth communication in apps and developed custom Views in Android

PROJECTS (*viewable on [github.com/davidalbers](https://github.com/davidalbers)*)

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### White Noise Plus (Android & iOS)

- Useful and simple white noise app
- Available on Play Store and App Store

### Podmark (iOS)

- "Bookmark" podcasts
- Available on App Store