Random Notes:

Title: A Beginner's Guide to Contributing to Swift

Intro [Andrew]

- Hello and welcome to the Swift Community Podcast, I'm your host Andrew Litteken. I'm an incoming first year PhD student at the University of Chicago and aspiring compiler/programming language nerd.
- Chris Lattner - Our first host is none other than Chris Lattner - initial developer of Swift.
- Suyash Sri-jan - Our second host is Suyash Srijan. Suyash is an iOS Engineer at The App Business as well as a Swift open source contributor. Suyash do you want to tell us a little bit about your background?

Today's topic might end up being a little more technical, we aren't going to be talking so much about how people use Swift, but how someone can contribute to the development of the Compiler for Swift. So...

Andrew's background - instigated this episode, imagined and drove it. Basically outside the swift community. But, "Anyone can do this". Your interest in swift why this is exciting to you, what you hope to learn?

Talk about Swift Compiler from a high level [Chris]

- Swift evolution: language changes, but not compiler changes.
- Architecture: lexer / parser / type checker / code generation to llvm.
- Testing: philosophy, check for error messages.

Where does the development community exist [Andrew]
- Website, Github, Forums, Issue Trackers (Swift JIRA), podcast!
- Keeping track of what is going on [Suyash].
- Swift releases, branches and how they work [Suyash]

Picking a Project/Issue to work one: [Suyash]
- Finding a problem: Starter bugs, asking on the swift-dev forums.
- Finding help: blogs start from? swift-dev forum
- Making sure you don't scoop someone else or get scooped

Where is swift compiler community going? [Chris]
- Swift written in Swift?   [Suyash: mention LittleSwift (https://github.com/theblixguy/LittleSwift) project]
- Bigger more organized package ecosystem?

- New language features? Concurrency, ownership? Now that ABI is done?

Looking ahead:
- WWDC events: [Try Swift](#) (Friday June 7th)

Outro: [Andrew]
- Thank you to Suyash/Chris for being involved. This is how I started it, it would be great for you the listener to start a new episode, it is super easy, go to swift community podcast of github, Pull Request 58 and Issue 38 to see how it was put together. :-)

Thank you's:
- Listeners for the continued support.

Off air follow up
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Different episode or maybe links:
- Resources for Open Source/Swift Development
- https://forums.swift.org/t/throwable-accessors/20509 (Throwable Accessors - swift-dev)
- https://edit.theappbusiness.com/contributing-to-swift-part-1-ea19108a2a54 (Contributing to Swift - Part 1)
- https://www.youtube.com/watch?v=IbjoA5xVUq0 (A Type System From Scratch – Robert Widmann)
- https://github.com/apple/swift/blob/master/docs/TypeChecker.rst (Typechecker.rst)
- https://bugs.swift.org/issues/?jql=labels+%3D+StarterBug (Starter Bugs)
- https://github.com/theblixguy/LittleSwift (Swift compiler in Swift)