# Google Season of Docs

## Compiler Research Organization

Presented by: QuillPusher (Sakib)

# Objectives

- Contribute to Compiler Research Org, ROOT and LLVM Documentation
- Identify Gaps in existing Docs
- Wider reach and discoverability
- Organize Orientation Sessions & Calendar
- Domain-specific Research (AD, InterOp, etc.)
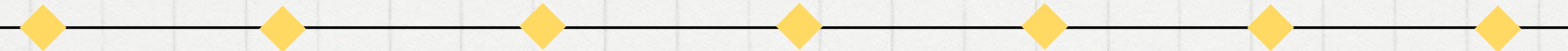- Tools of the Trade (Git, Markdown, Sphinx, Mermaid, Graphviz, Jekyll, etc.)
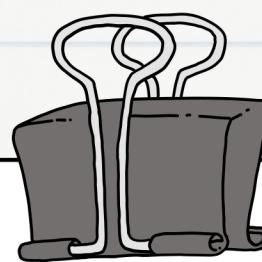
# Working on Legibility Issues

- The Curse of Knowledge...
- Never presume that the reader has prior knowledge
- Context-Sensitive Terminology Introduction
- Highlight Assumptions/ Prerequisites
- Balanced Target Audience: Both Experts (maintainers) and Novices (adopters)

# Major Topics Covered

**01**

CppInterOp (Compiler Research Org)

**02**

RooFit (ROOT)

**03**

Clang-Repl (LLVM)

**04**

Floating Point Error Estimation (Clad)

**05**

cppyy (compiler research)

**06**

Numba (cppyy)

**07**

Compiler Research Website

# Notable PRs

- **CppInterOp ReadMe**: https://github.com/compiler-research/CppInterOp/pull/91

- **CppInterOp Doxygen**: https://github.com/compiler-research/CppInterOp/pull/85

- **Success Stories**: https://github.com/compiler-research/compiler-research.github.io/pull/110

- **Execution Results Handling**: https://github.com/llvm/llvm-project/pull/65650

- **Roofit**: https://github.com/root-project/root/pull/13929
  and https://github.com/root-project/root/pull/14018

- **Floating Point Error Estimation**: https://github.com/vgvassilev/clad/pull/648

- **Numba**: https://github.com/wlav/cppyy/pull/199

- **CPPYY**: https://github.com/compiler-research/CppInterOp/pull/160

- **CR Website Setup**: https://github.com/compiler-research/compiler-research.github.io/pull/129

Thank you very much!