Presenting at the international conference

Michael Gerasymenko

Delivery Hero
Logistics

from Swift Connection 2025

The Journey to the Stage

"After a careful review of all the submissions, we regret to inform you that your proposal was not selected for this year's..."

...a phrase I've seen over 20 times in the last two years across various Swift/iOS conferences.

Swift Connection: Supporting Speakers

While I'm not a first-time speaker, Swift Connection offers incredible support for new voices, including:

- Mentorship from experienced speakers
- Public speaking coaching

This commitment to fostering new talent is truly commendable!

THEATRE DE PARIS
LES PRODUCTEURS
THÉÂTRE DE PARIS
LES PRODUCTEURS
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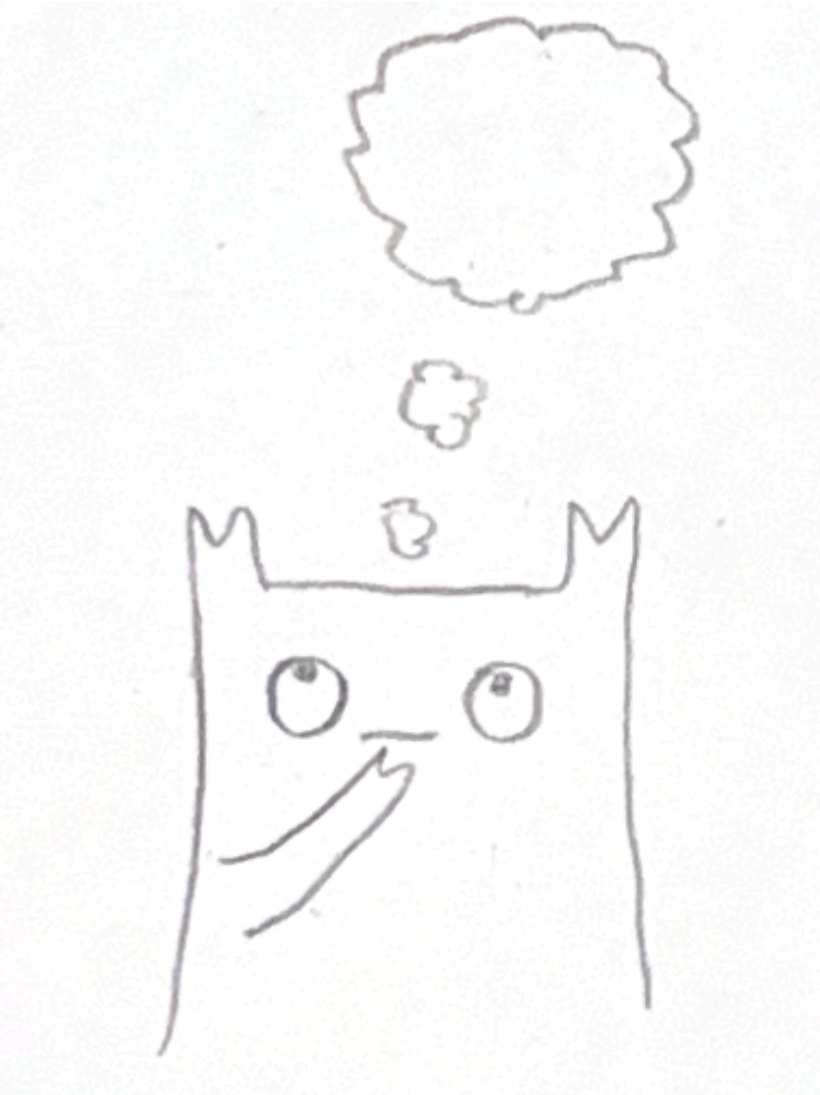
Speaker Experience

It's not just about the talk, it's about the experience.



Benefits of Speaking

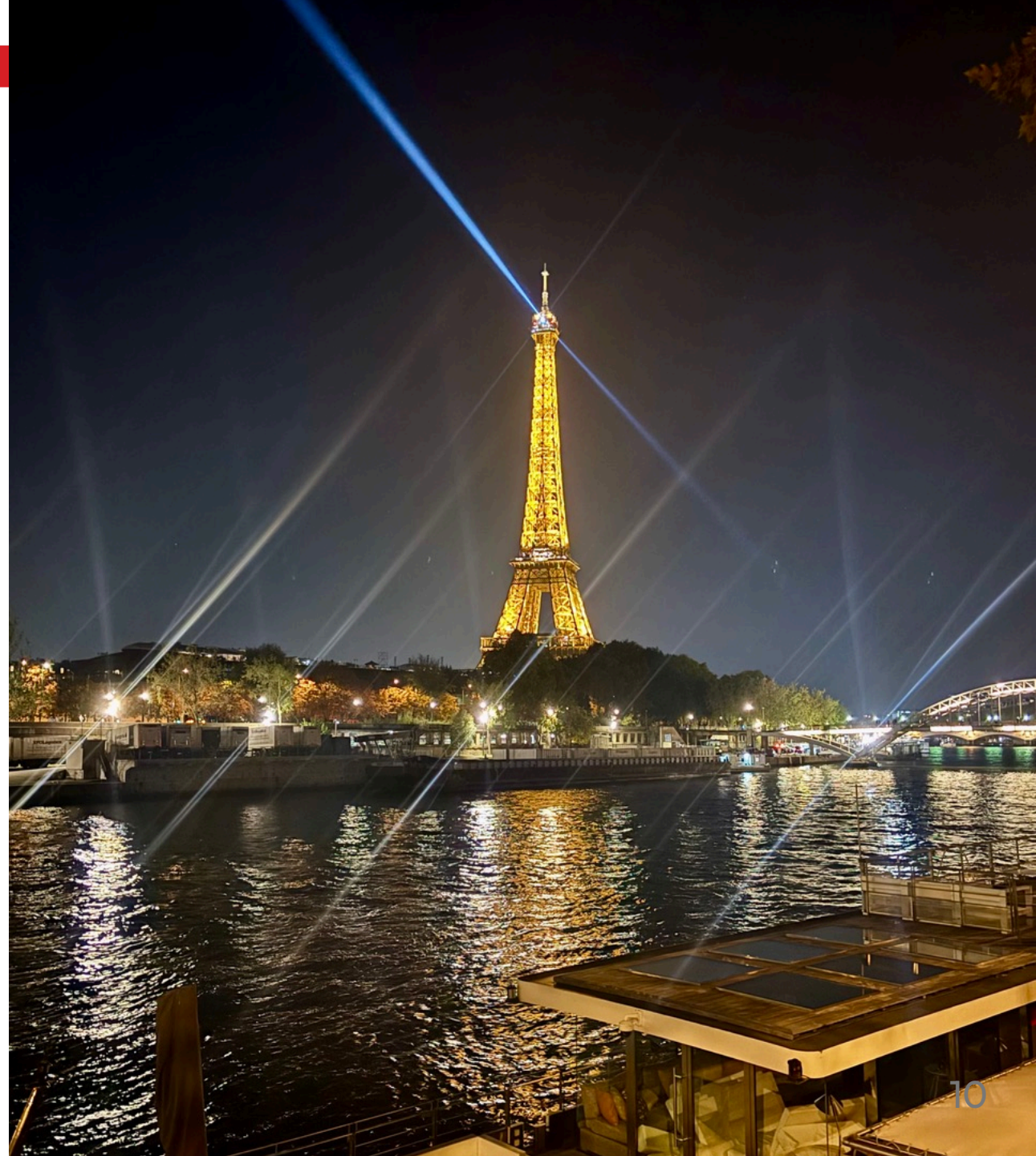
- Attend exclusive speaker dinners and network with amazing people.
- Accommodation, and sometimes travel, is covered.
- Free access to the entire conference.

Socializing

The best part is connecting with fellow speakers and nerding out about the latest tech.

It's Paris!

What's not to love?



Personal Growth

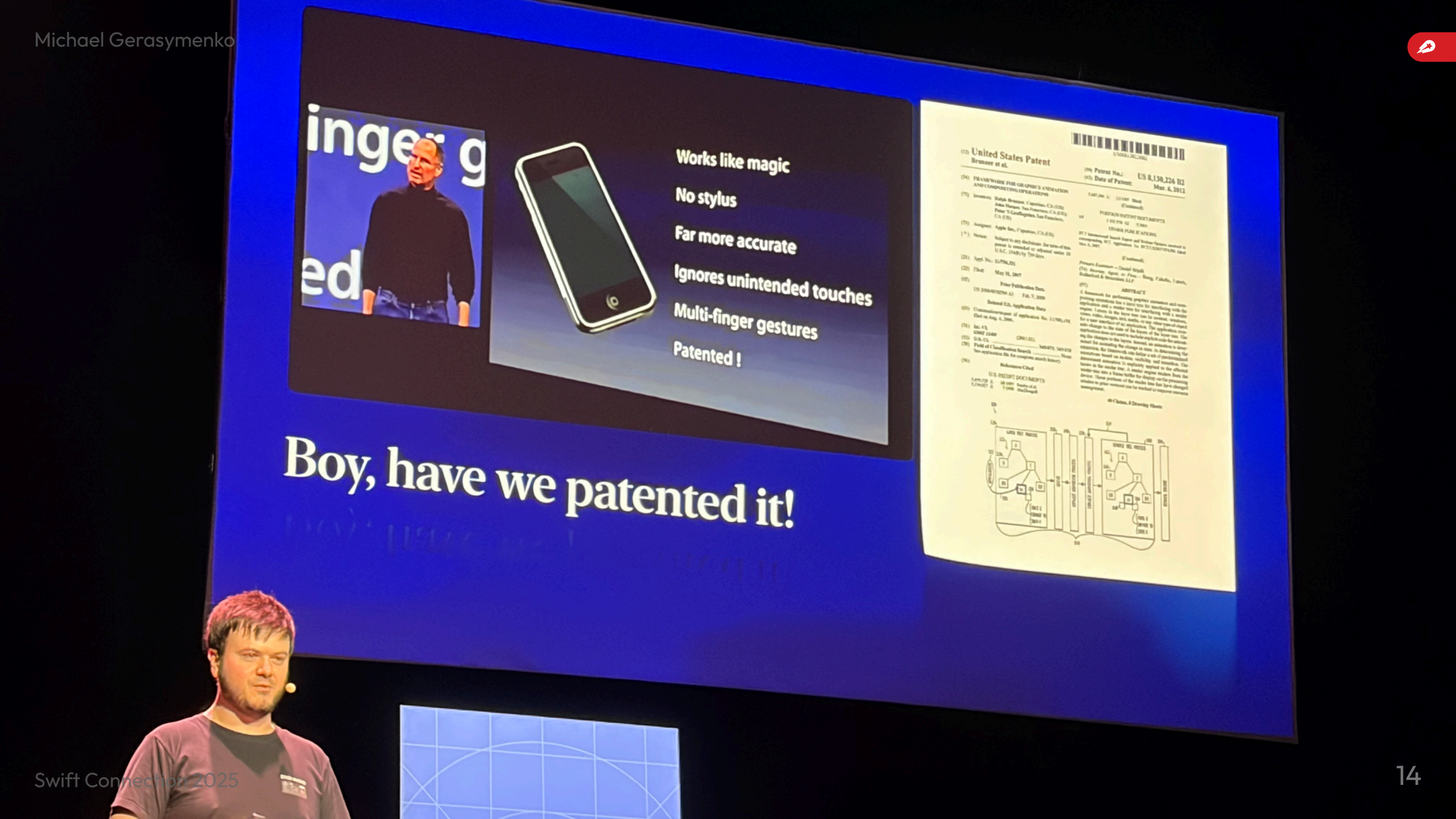
- **Build your brand:** Share your knowledge and establish yourself as an expert.
- **Improve your skills:** Public speaking is a valuable skill to practice.

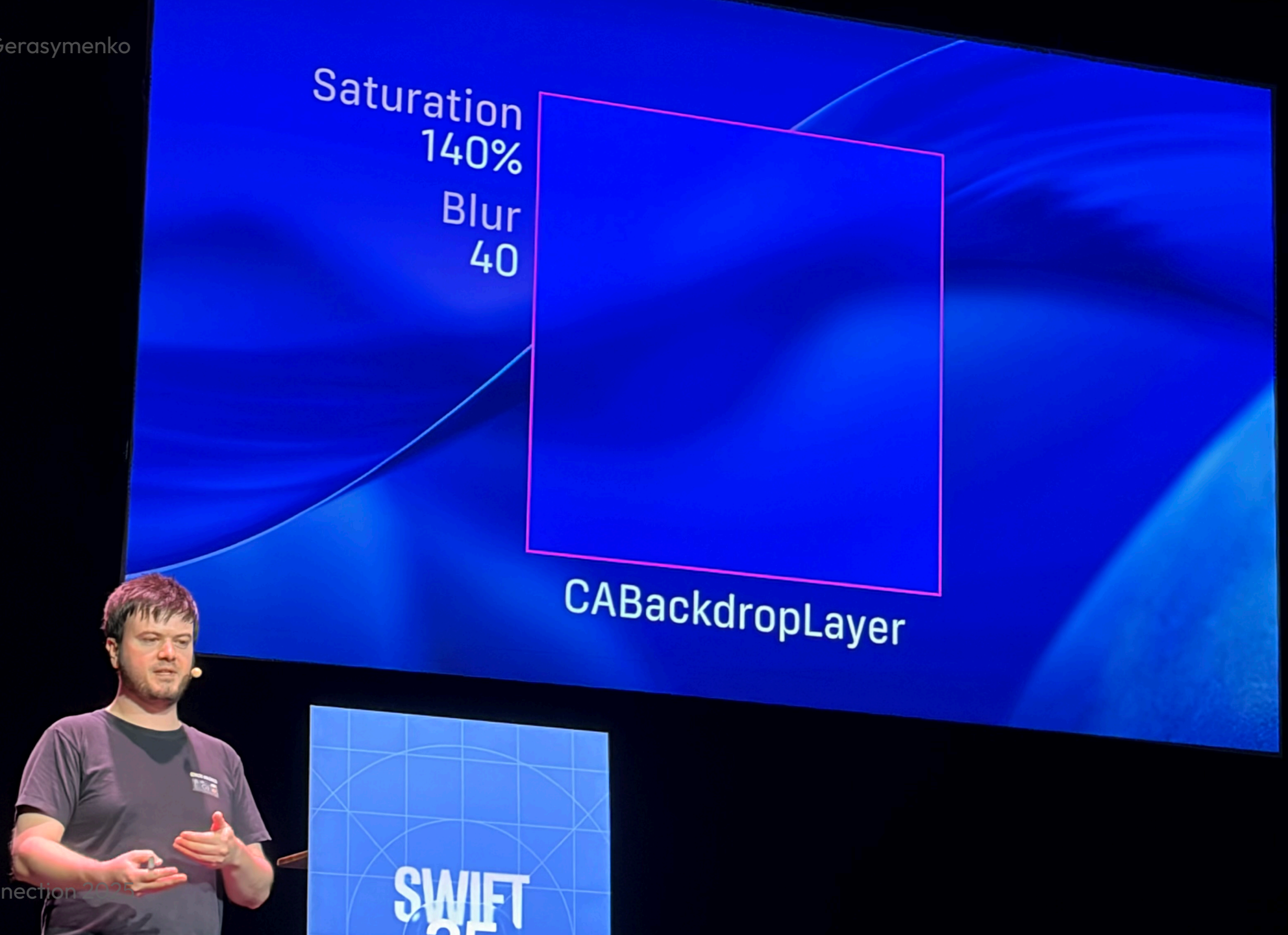
My Favorite Presentations

A few of the many incredible talks at Swift Connection.

Gui Rambo - Inside Liquid Glass

A deep dive into how iOS 26 synthesizes refractive UI. Spoiler: it's Core Animation magic!


Works like magic
No stylus
Far more accurate
Ignores unintended touches
Multi-finger gestures
Patented !
United States Patent
Brunner et al.
US 8,130,226 B2
Mar. 6, 2012
Boy, have we patented it!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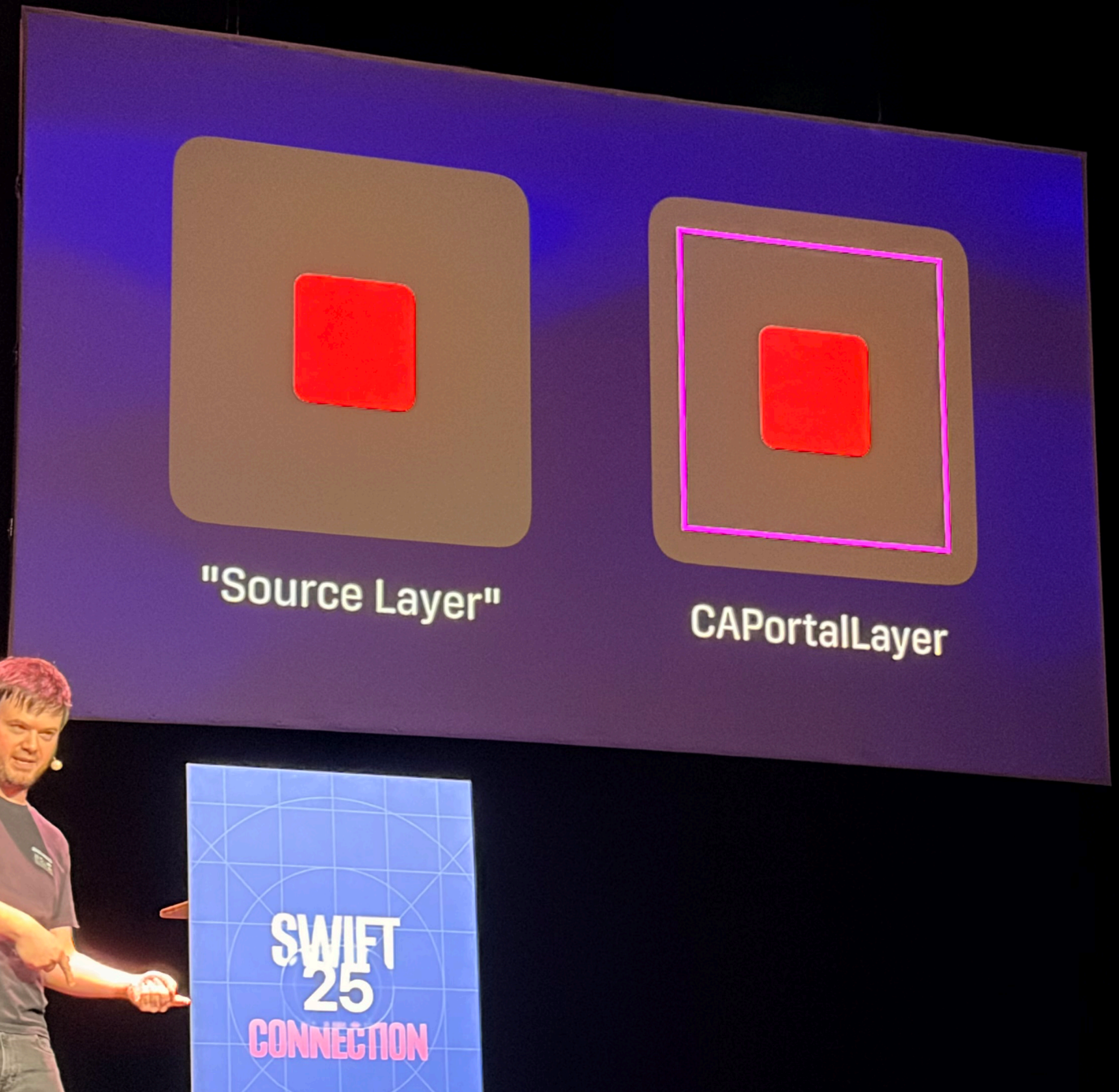
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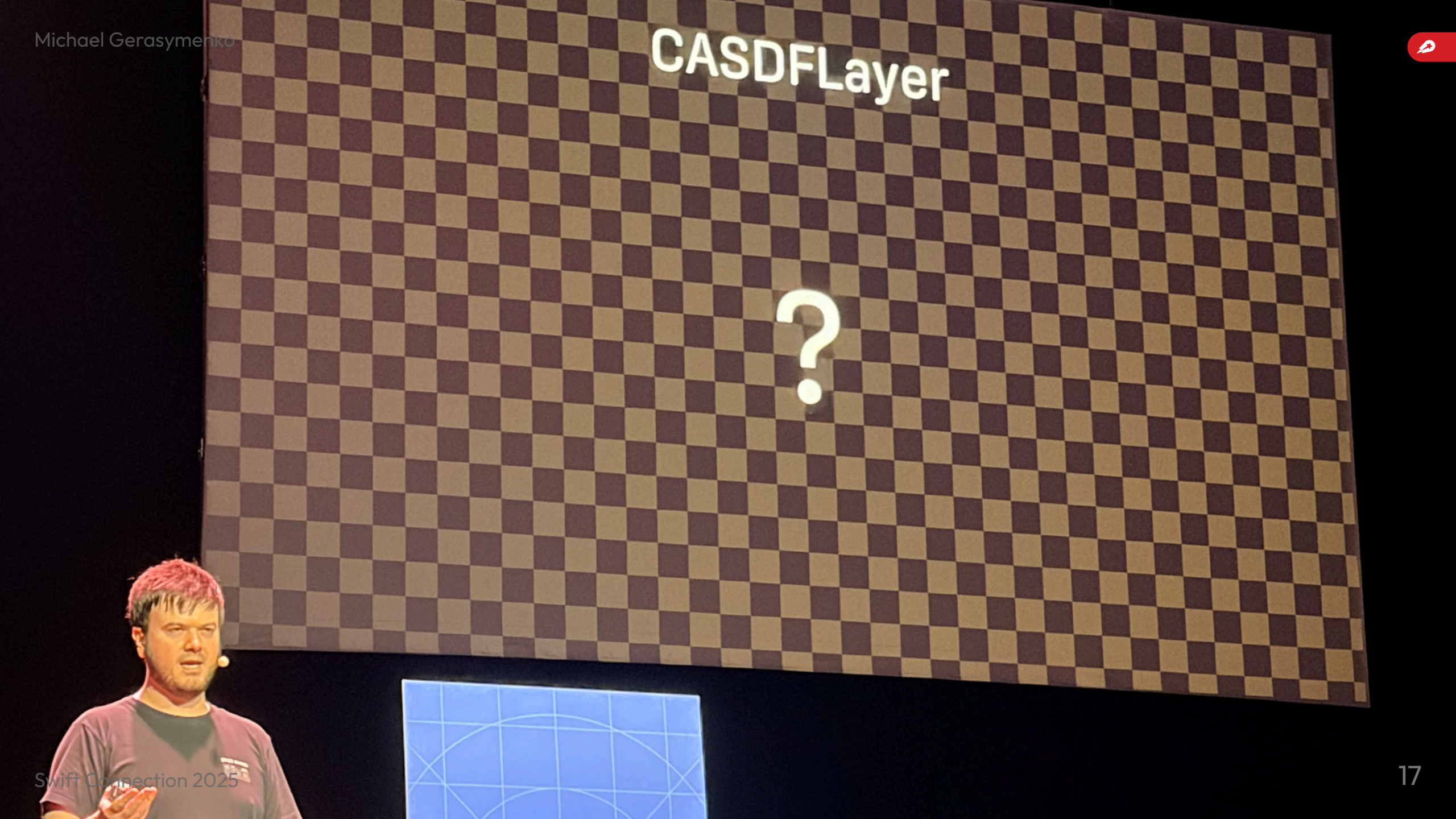
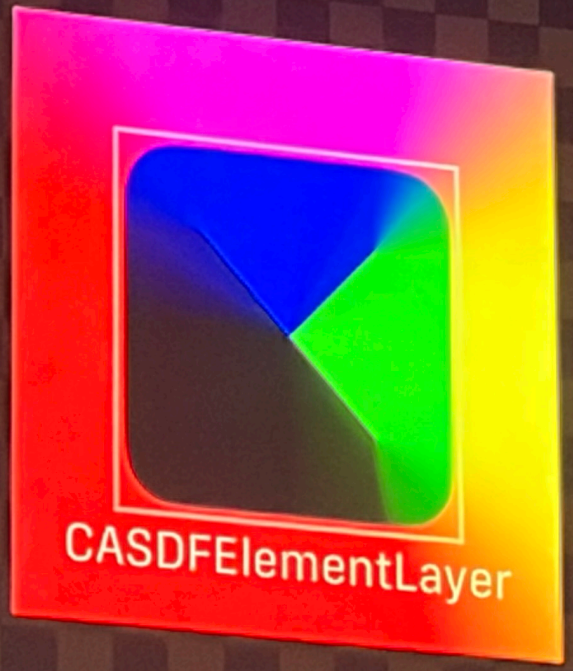
CONNECTION


CASDFLayer
?

CASDFLayer



Samuel Hopstock - What Really Happens to Your iOS App

Understanding app binary internals and how it can be tampered with.

Linking against shared libraries

```
$> llvm-objdump --macho --dyld-info swift-sample

segment      section address    pointer                  type   addend dylib        symbol/vm address
__DATA_CONST __got   0x100008000 0x8010000000000000 bind   0x0    libobjc        _objc_opt_self
__DATA_CONST __got   0x100008008 0x8010000000000001 bind   0x0    libswiftCore   _swift_allocObject
__DATA_CONST __got   0x100008010 0x8010000000000002 bind   0x0    libswiftCore   _swift_beginAccess
__DATA_CONST __got   0x100008018 0x8010000000000003 bind   0x0    libswiftCore   _swift_deallocClassInstance
__DATA_CONST __got   0x100008020 0x8010000000000004 bind   0x0    libswiftCore   _swift_endAccess
```

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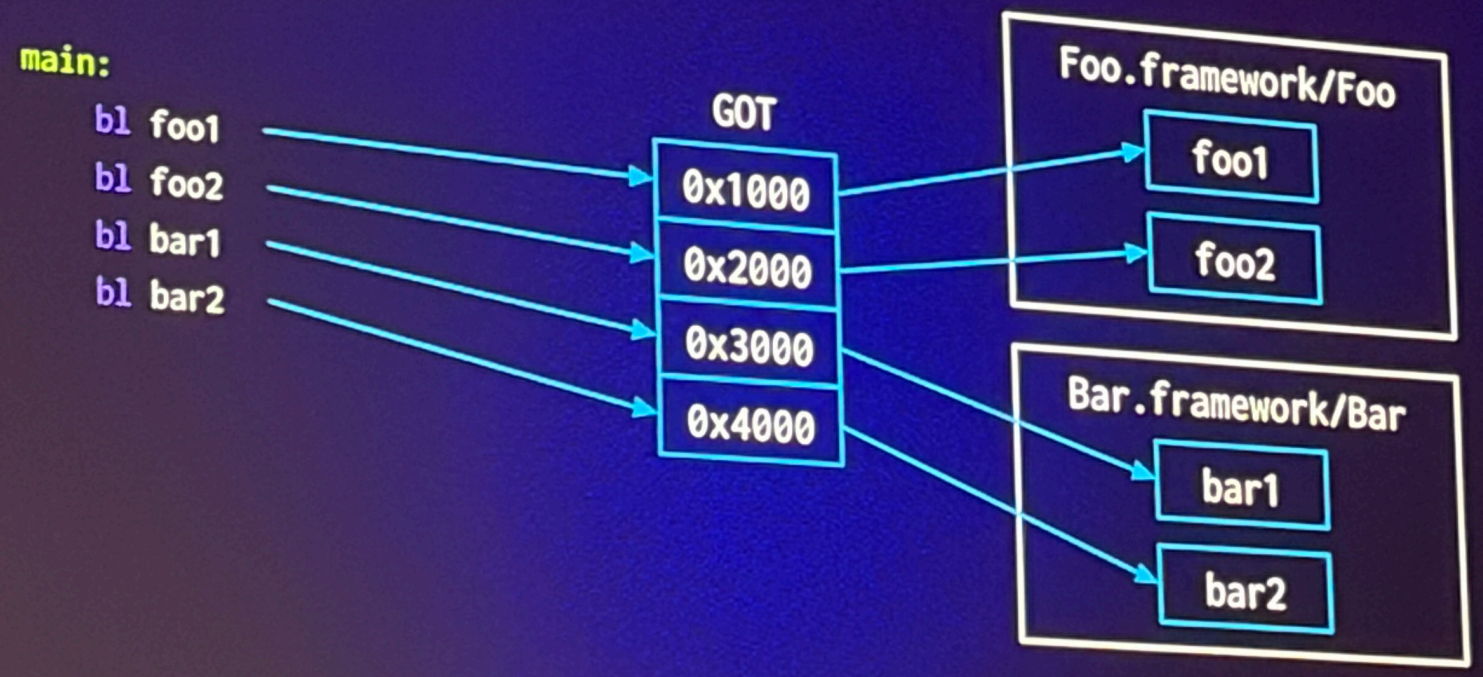
Linking against shared libraries



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Runtime tampering

- GOT hooking
- Inline hooking (patching function prologues)
- Direct patching of function bodies
- Dylib injection
- Objective-C Swizzling
- ...

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Repackaging attacks
• Cheats
• Cracked premium content in apps
• Patching out security checks (e.g. removal of "know your customer" ID checks)
• Phishing attacks on users (3rd party store apps)
• ...
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SWIFT 25 CONNECTION
GUARDSQUARE
leboncoin
COYOTE

More Great Talks

- **Matt Massicotte:** How to Approach Approachable Concurrency

```
if conf as? CustomStringConvertible {
  // MainActor-isolated
} else {
  // other isolation
}
```

```
@MainActor
class Conference: @MainActor CustomStringConvertible {
    var description = "Swift Connection"
}
```

```
@MainActor
class Conference: CustomStringConvertible {
    var description = "Swift Connection"
}
```

More Great Talks

- **Peter Steinberger:** You Can Just Do Things (AI Workshops)

See you on YouTube!

The conference recordings will be published in a couple of weeks.

Questions?