Stop Testing.

Start Storytelling.

Mike Schutte

self.conference

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TIME	TOPIC
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About Me

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Haught Codeworks (Ruby, Elixir, JavaScript)

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DU -> IU -> Turing -> Quikly -> HCW





Here's to the crazy ones.
The misfits. The rebels.
The troublemakers. The
round pegs in the
holes.

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Goals

PERSPECTIVE

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CONFIDENCE

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Jason Lengstorf
@jlengstorf

Following

"Speaking isn't about killing the butterflies in your stomach, it's about making those fuckers fly in formation."

This advice from @GantLaborde may be my new favorite quote on dealing with nervousness before going on stage.

```
describe("Stop Testing, Start Storytelling", () => {
  before(() => {
    tmikeschu.prepareForTalk()
    tmikeschu.getButterfliesInFormation()
    meetup.garnerInterest()
    audience.map(showUp)
  })

  after(() => {
    audience.map(goHome).map(thinkDifferently)
  })

  it("gives people perspective on and confidence in testing", () => {
    const actual = audience
      .map(stopTestingStartStorytelling)
      .flat_map(takeAways).uniq
    const expected = ["perspective", "confidence"]
    expect(actual).toEqual(expected)
  })
})
```

```ruby
describe "testing paradigms" do
  it "covers different testing paradigms" do
    actual   = stop_testing_start_storytelling.testing_paradigms
    expected = ["test last", "test first", "test driven", "behavior driven"]
    expect(actual).to eq(expected)
  end
end
```

Testing Paradigms

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bonus word: para-dig-MAT-ic (adj)

a framework containing the basic assumptions, ways of thinking, and methodolog[ies] [for discovering new ideas] that are commonly accepted by members of a ~~scientific~~ community.[1]

[1] http://www.dictionary.com/browse/paradigm

Test last

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The thing that's supposed to happen is the the thing that happens.

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sheepfilms.co.uk

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Test first

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Writing a test to fit an implementation

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Test driven && behavior driven

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Implementing code to fit a test

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"Program to an interface, not an implementation"

- GOF

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```
describe "testing paradigms" do
  it "covers different testing paradigms" do
    actual   = stop_testing_start_storytelling.testing_paradigms
    expected = ["test last", "test first", "test driven", "behavior driven"]
    expect(actual).to eq(expected)
  end
end
```

Storytelling and Software

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Software is always means to an end

From function to feature, the end is to help users

```
func TestStoryTellingAndSoftware(t *testing.T) {
  var (
    actual   []string
    expected []string
  )

  actual = stopTestingStartStorytelling.StorytellingAndSoftware()
  expected = []string{"communication", "context", "abstraction", "encapsulation"}

  if actual != expected {
    t.Error("Expected talk to cover communication, context, abstraction, and encapsulation, got: ", actual)
  }
}
```

communication

context

abstraction

encapsulation

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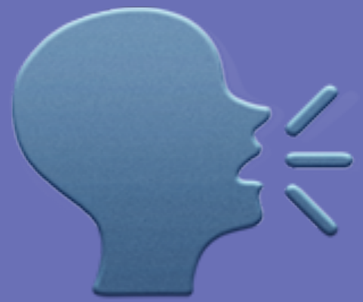
Communication

Users communicate with software.



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Let's make good listeners.

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Context

```
cause && effect
```

more context ->

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more understanding ->

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more predictive power ->

more confident decision-making ->

more 😊 ->

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better teaching and advocacy

When we tell stories about software, we write it better.

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Abstraction

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Touching a stove

Breathing

Muscle memory

Language

Encapsulation

We encapsulate our code, why not our thoughts?

(Too many jobs makes you bad at all of them.)

Code constrains clarity and imagination.

Tests can be your compass home

Meta alert!

- Programs solve problems
- Programming is a problem-solving process
- The problems we solve solve problems

Maybe the principles that make better programs can also result in better programming?

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  }
}
```

Still learning the domain specific language (DSL)?

```
/*
description: developers
assert:      should be mindful of context

actual:      perspective while implementing
expected:    developer
  actual should be the same as expected

actual:      perspective while testing
expected:    user
  actual should be the same as expected
*/
```

Duality

57 — 74

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User <----------X----------> Programmer

Implementing

<----------X> Programmer

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Storytelling/testing

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User <X---------->

Crowdsource Demo!

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Mad lib

3 Nouns

1 Verb

1 Datatype

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Wrap-up

Testing is a paradigmatic process, not a product.

Communication: build good listeners.

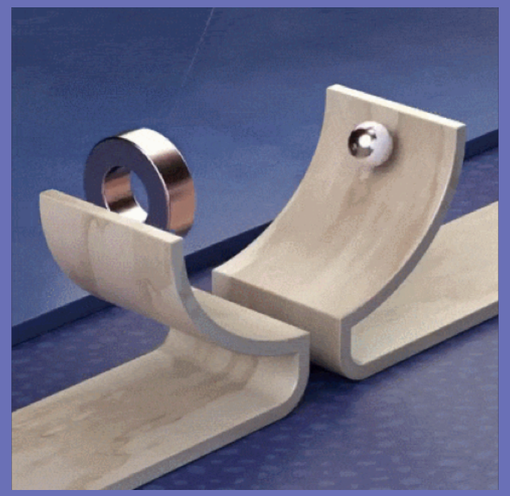
Context: enable confident decision making.

Abstraction: you're good at it, it opens up doors.

Encapsulation: apply the same discipline to your process as you do to your code.

Storytelling keeps you closer to users.

Action Plan



Develop a pendulum workflow between storyteller and developer.

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Thank you!

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