

Welcome to KIEI-925

Winter 2017



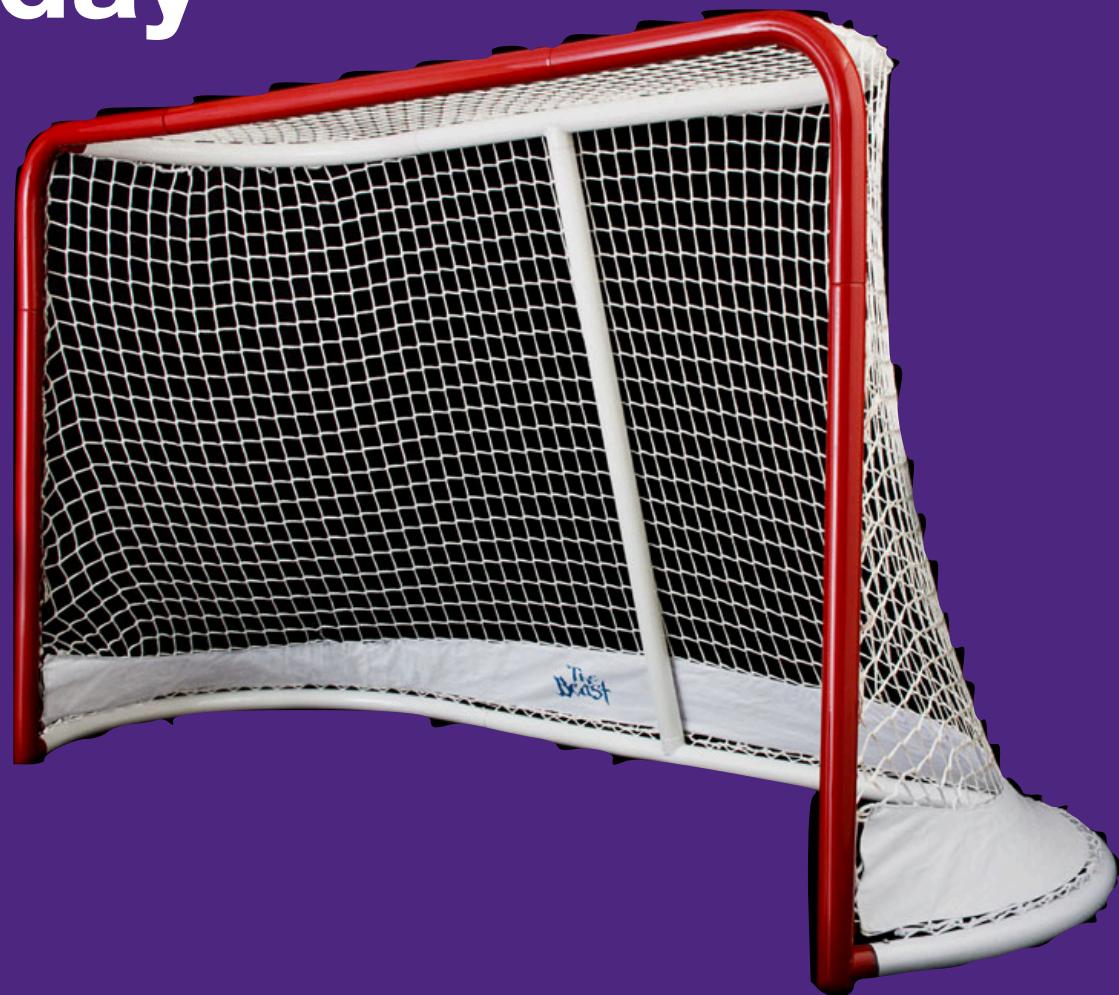
Kellogg
School of Management

Jeffrey Cohen
Lecturer

Garrett Martin
TA

Do not memorize anything
you are about to see and hear

Goals for Today



If You Did Not Take KIEI-924...

You could be in over your head. It's ok to drop.

HTML 5

CSS 3

The Bootstrap framework

Javascript event handling

Debugging

Code editing

SQL

Databases

How To Get An 'A'

In Class

Focus

Do Not Worry

How To Get An 'A'

In Class

Focus

Do Not Worry

At Home

Read

Collaborate

Experiment

Practice

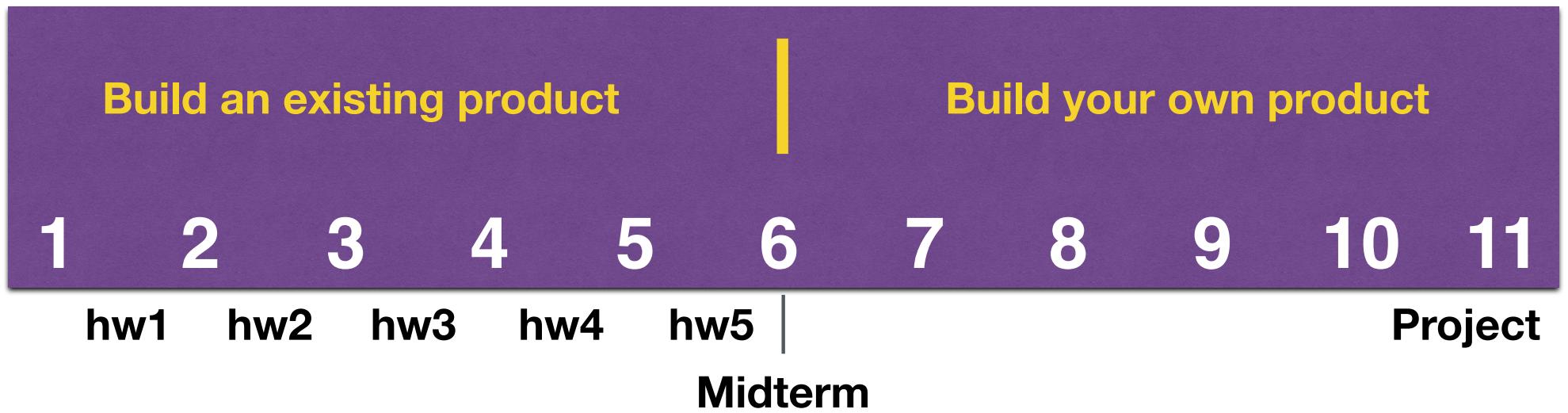


**Office Hours: Fridays 12:30 G36 or Atrium
Also by appointment and online**

**Content on [GoLearnToCode.com](#)
Discussion on Canvas
Grades on Canvas**

Course Website: [GoLearnToCode.com](#)

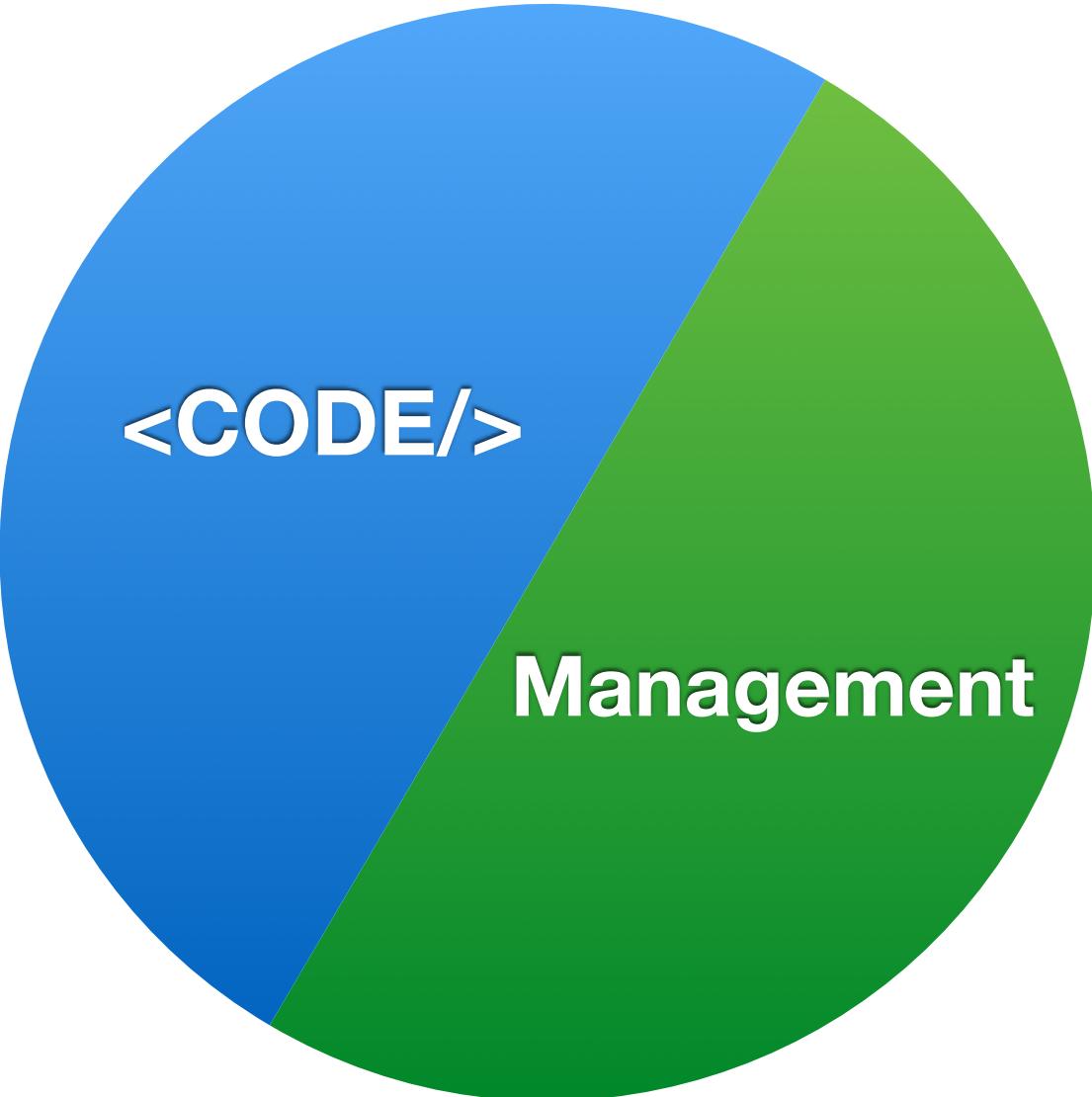
Milestones



Homework = 50%
Midterm Exam = 25%
Final Project = 25%

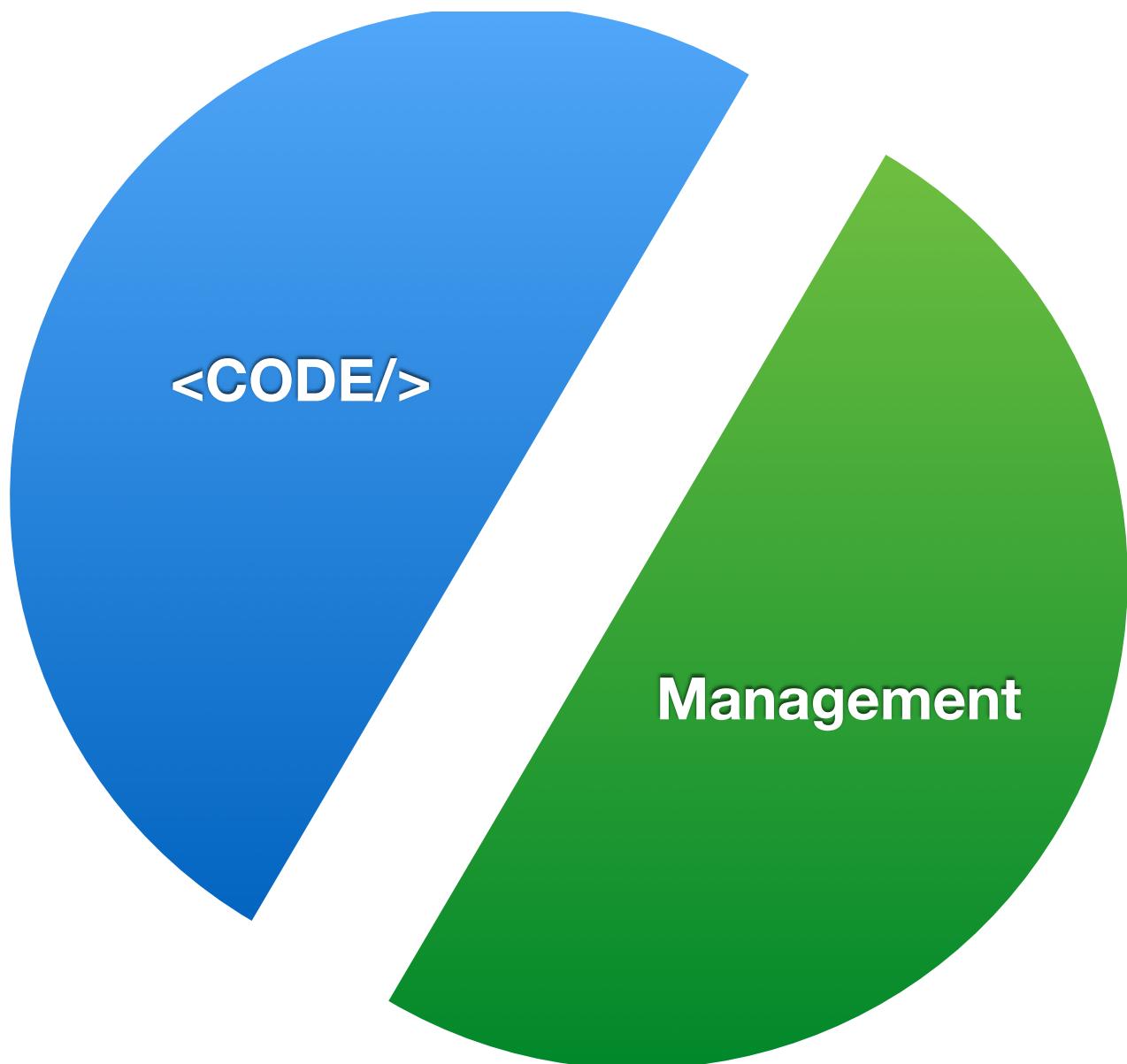
Final Project

- ❖ Minimum Viable Product
- ❖ Your own product idea. Can be fake/temporary.
- ❖ Teams are encouraged.
- ❖ Week 3: Project Spreadsheet



<CODE/>

Management



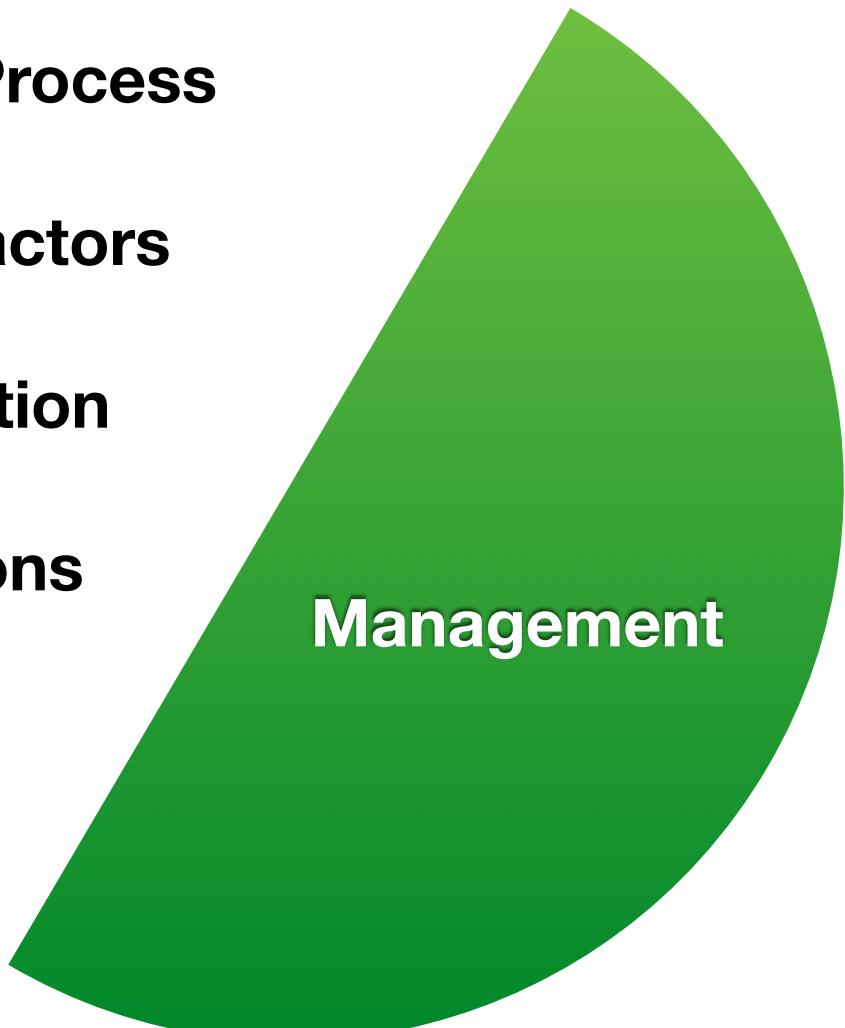
Key Ideas

Team Process

Risk Factors

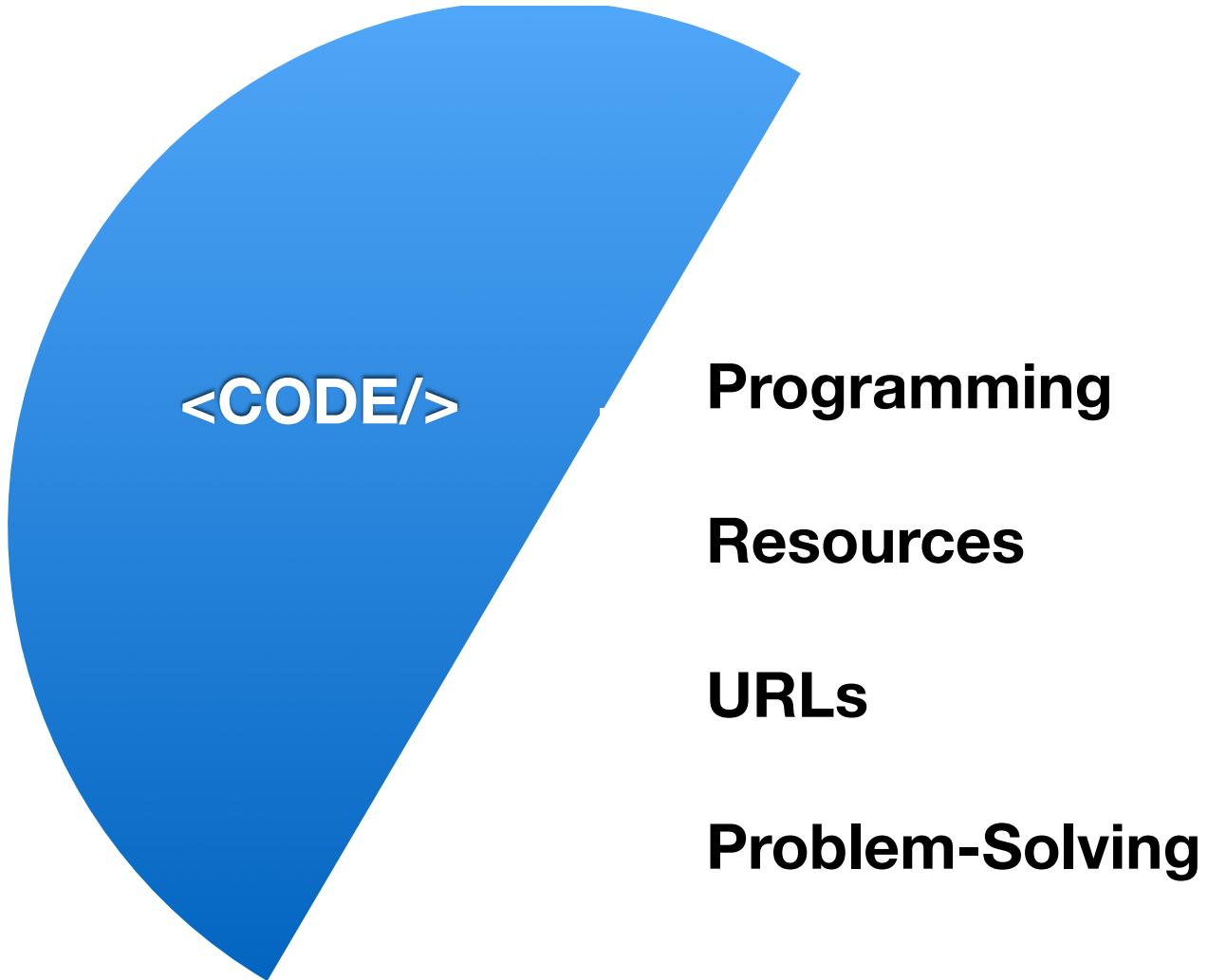
Estimation

Decisions



Management

Key Ideas

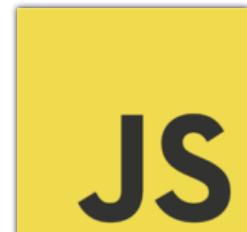


Web Application Development

HTML



CSS



HTML

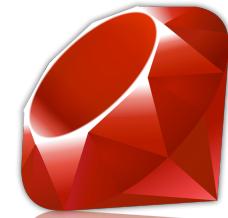


CSS



Front-End

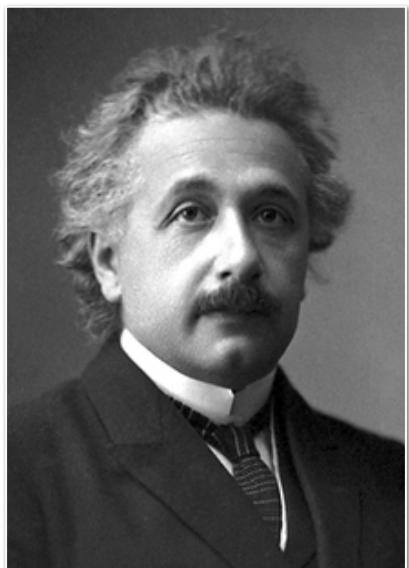
Server-Side





**Science literacy is less about what you know
and more about how your brain is wired
for asking questions.**

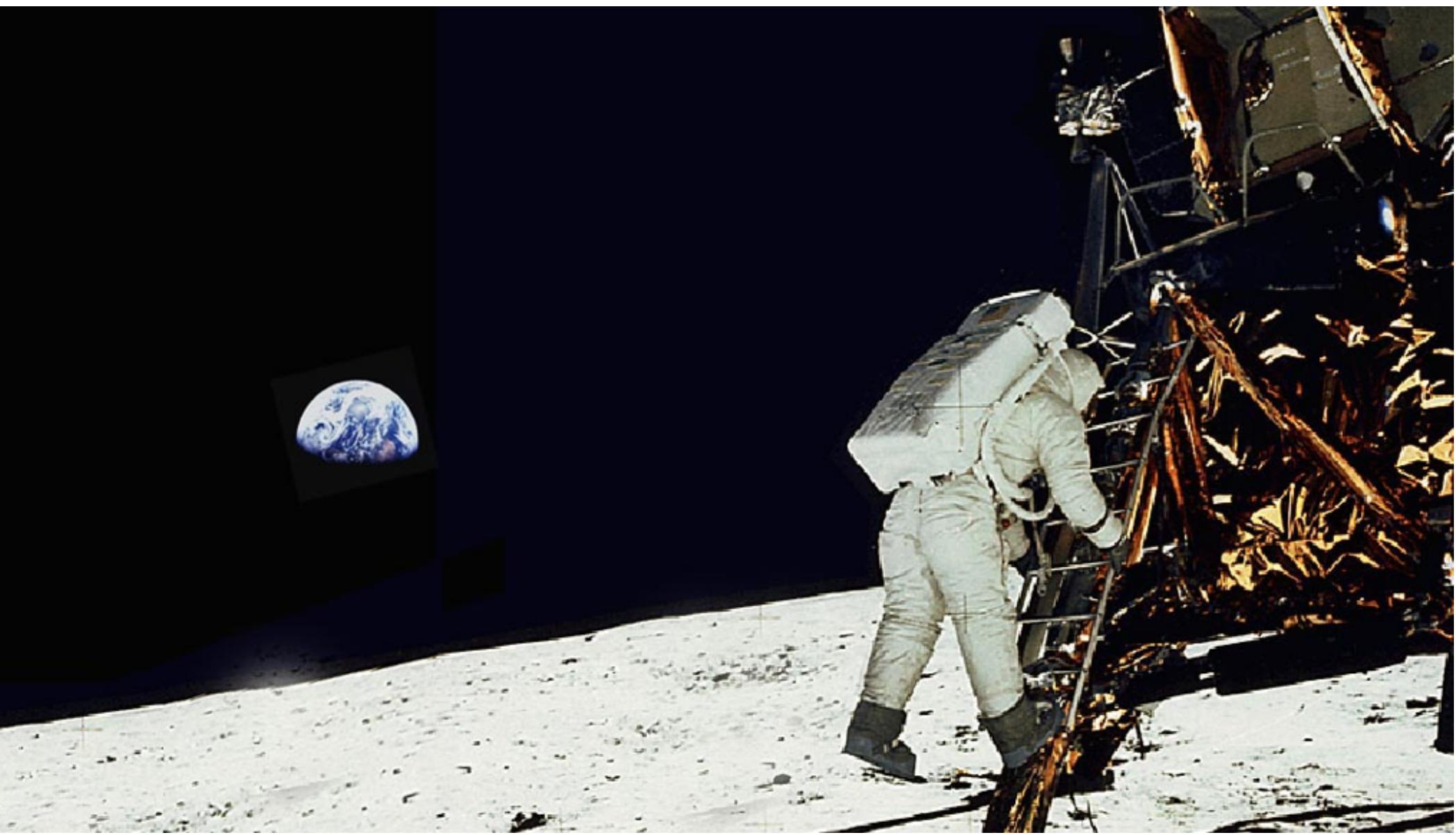
-- @neiltyson 6/26/2013

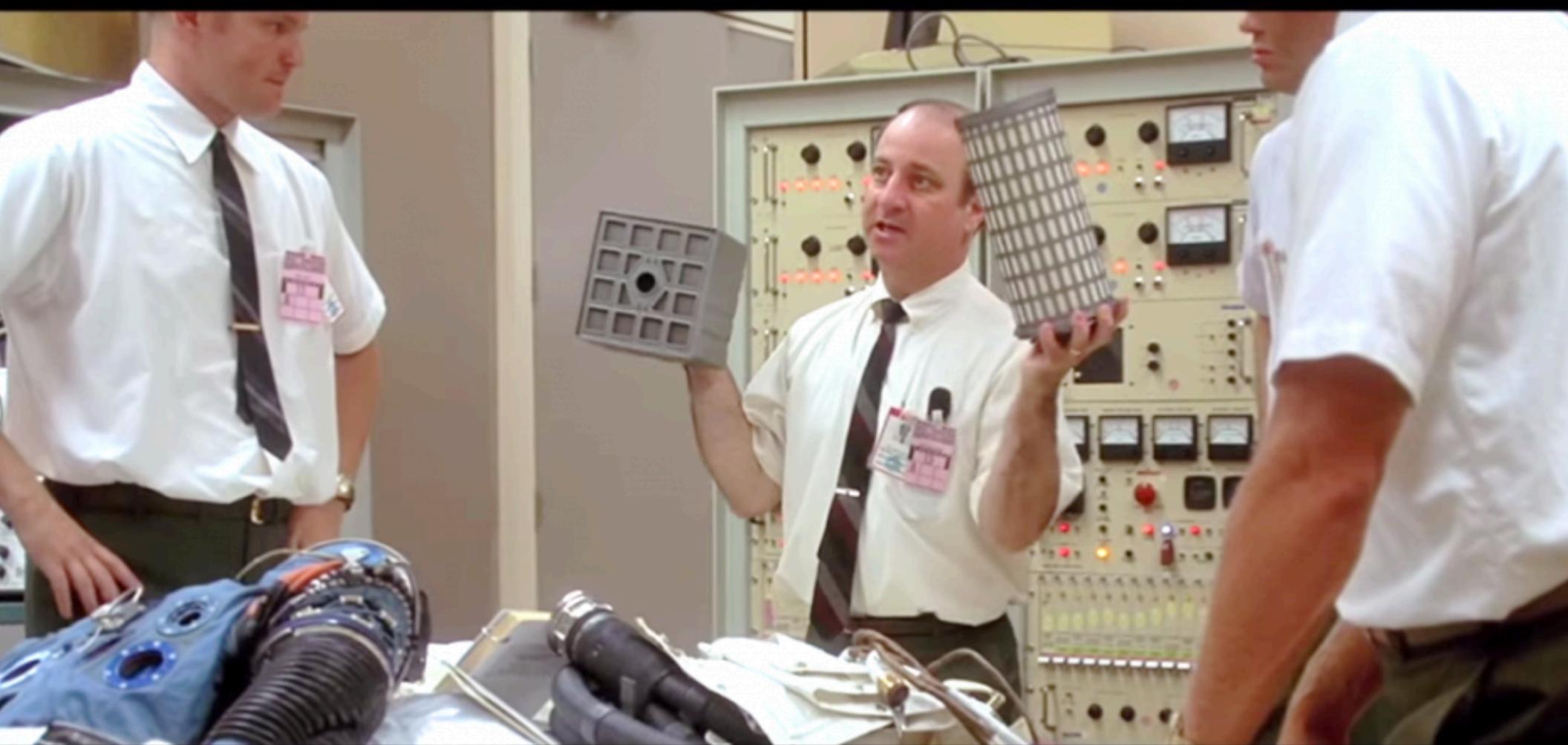


**The important thing is to not stop questioning.
Curiosity has its own reason for existing.**

-- @einstein 6/26/1915

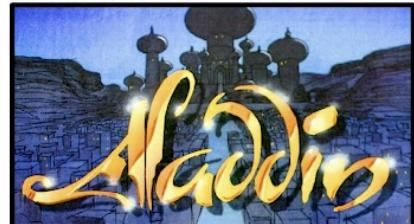




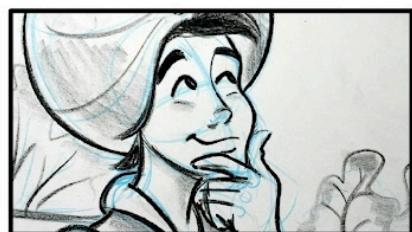


Let's Build Something

Wireframes



A WHOLE NEW WORLD

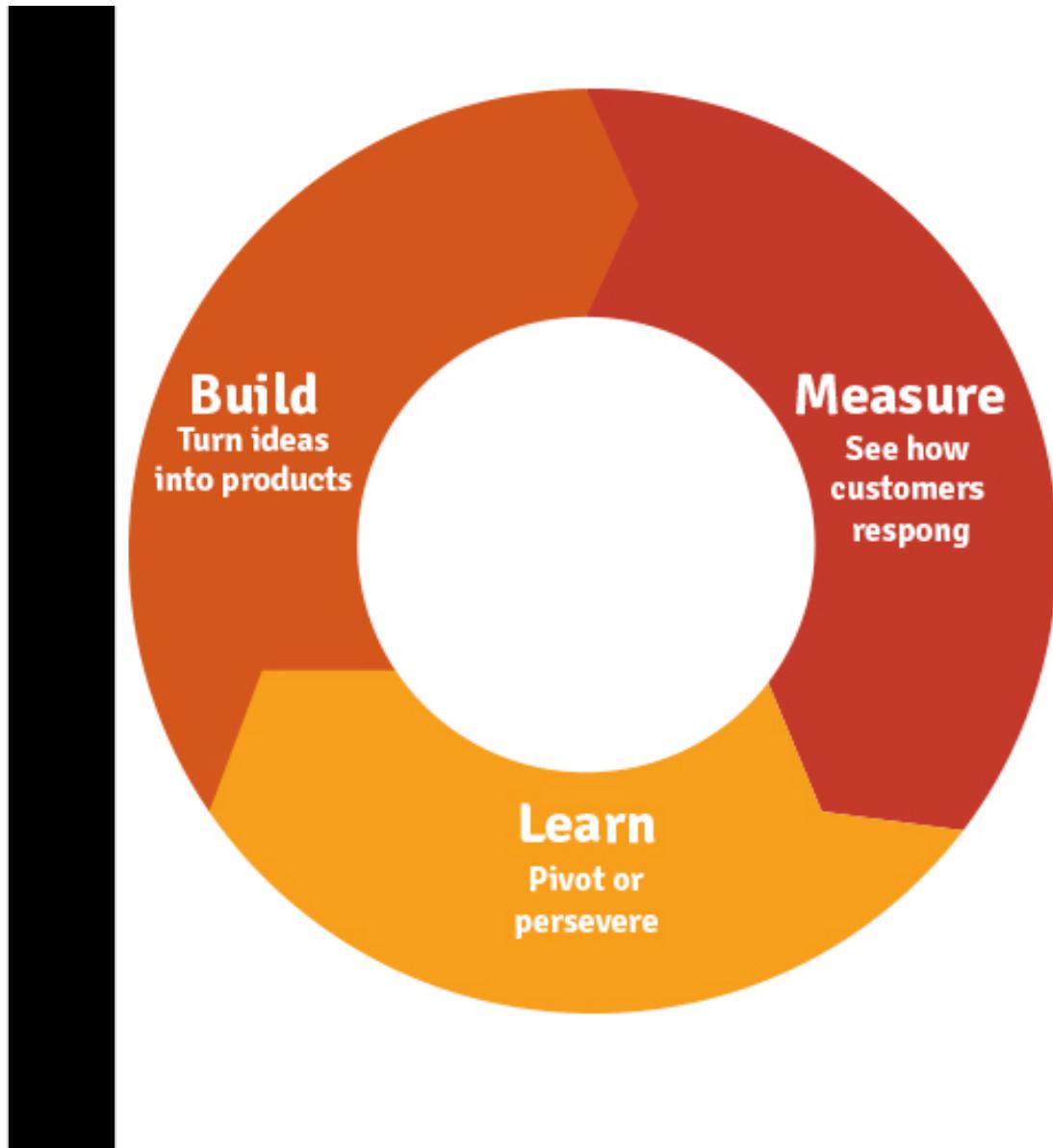
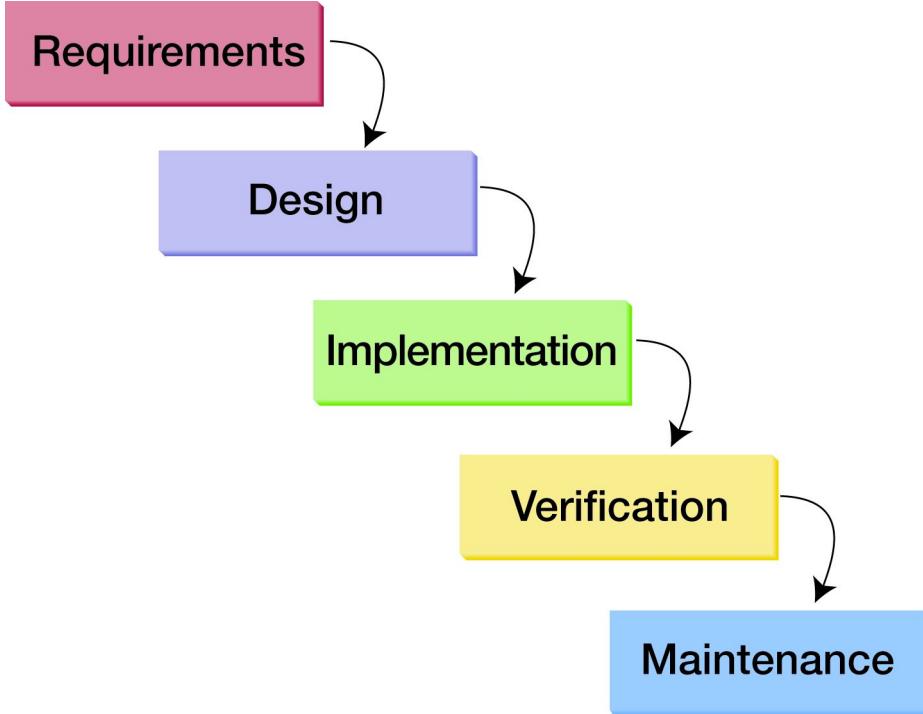


Let's Code

Rails Review

- ⌘ Every web application is a container of *resources*
- ⌘ *Controllers* are Rails-speak for *resource containers*
- ⌘ *Routes* declare available resources
- ⌘ HTML files use the special extension `.html.erb`
- ⌘ Put your CSS in `application.css`
- ⌘ The *layout* file `application.html.erb` provides application-wide, boilerplate HTML to be shared across your entire site.

Homework Preview





- **Lean**
- **Agile**
- **GROWS**
- **Scrum**
- **Kanban**

Traditional Project Management

- ❖ Planning
- ❖ Gantt Charts
- ❖ Up-Front Requirements
- ❖ Project Manager
- ❖ Deliverables
- ❖ Sign-Offs
- ❖ Chain of Responsibility
- ❖ Progress Reports
- ❖ Risk Management
- ❖ Linear Path

Agile Software Management

- ❖ User stories
- ❖ Estimation
- ❖ Iterations
- ❖ Cross-functional teams
- ❖ Process Manager
- ❖ Prioritization
- ❖ JIT Delivery
- ❖ Empiricism
- ❖ Feedback
- ❖ Transparency

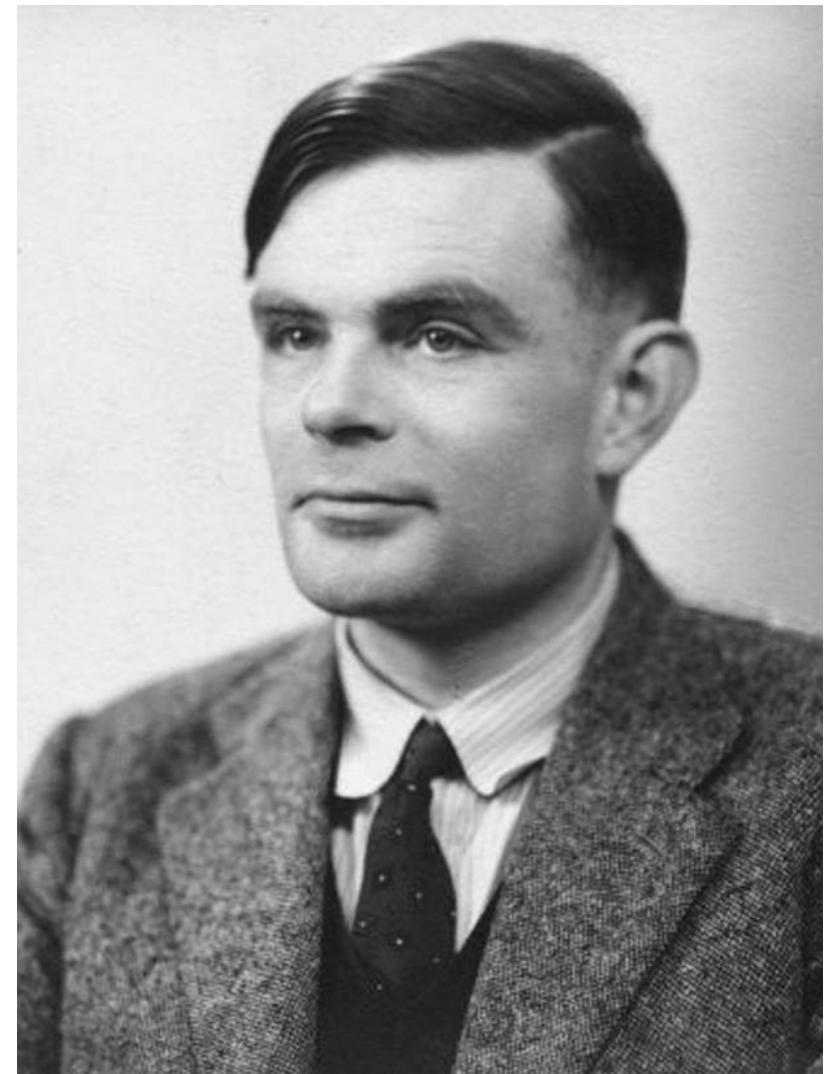
One more thing...

Alan Turing



Alan Turing

Computer science
is not
computer programming



Alan Turing

It's a way of
thinking

