

DAY 1

COURSE
OVERVIEW

INTRODUCTIONS

PROBLEM
SOLVING

LOGIC
& GATES



COURSE SYLLABUS

WHO IS ELIZA?

My experience and background.

COURSE GOALS

From starting point to end goal.

SYLLABUS

An overview of the course

WHY RUBY?

Diving into the approach that we'll be taking.

COURSE SYLLABUS

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WHY RUBY?



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WHY RUBY?



COURSE SYLLABUS

WHO IS ELIZA?

COURSE GOALS

SYLLABUS

WHY RUBY?



ROSE-HULMAN

COURSE SYLLABUS

WHO IS ELIZA?

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SYLLABUS

WHY RUBY?



COURSE SYLLABUS

WHO IS ELIZA?

COURSE GOALS

SYLLABUS

WHY RUBY?



Eliza Brock
SOFTWARE

COURSE SYLLABUS

WHO IS ELIZA?

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WHY RUBY?

← (START) →

25 students with a wide **variety** of
experiences and **education** levels.

← (FINISH) →

Hirable **Junior Developers** that can
maintain and develop Ruby/Rails
applications.

COURSE SYLLABUS

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WHY RUBY?

← (START) →

25 students with a wide **variety** of
experiences and **education** levels.

At least some experience with:

- HTML
- CSS
- Javascript
- Client work?
- APIs?

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WHY RUBY?

← (START) →

And, we have a wide variety of:

- Ages
- Education
- Experience
- Professional Backgrounds

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WHY RUBY?

← (FINISH) →

Hirable **Junior Developers** that can maintain and develop Ruby/Rails applications.

You will learn to:

- build on existing Rails applications
- work on cross-disciplinary teams
- grow your skills independently
- understand the depth and breadth of the field

COURSE SYLLABUS

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WHY RUBY?

SYLLABUS

4 UNITS
over
12 WEEKS

COURSE SYLLABUS

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WHY RUBY?

SYLLABUS

UNIT 1: TDD of Ruby data structures

UNIT 2: Explore the Ruby Ecosystem

UNIT 3: Simple Rails Applications

UNIT 4: Advanced Topics

COURSE SYLLABUS

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WHY RUBY?

(RUBY?)

This is a Rails course, right?

So, why are we doing Ruby first-and for so very long?

Fundamentals are damn important.

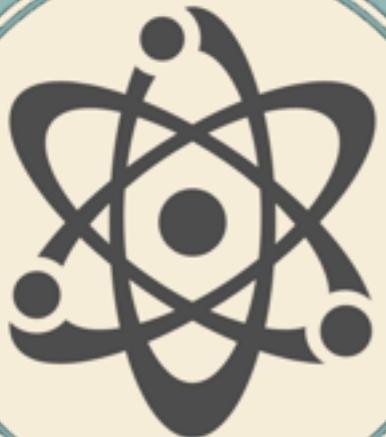
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INTRODUCTIONS

- Name
- Profession/Background
- What you hope to get from this course

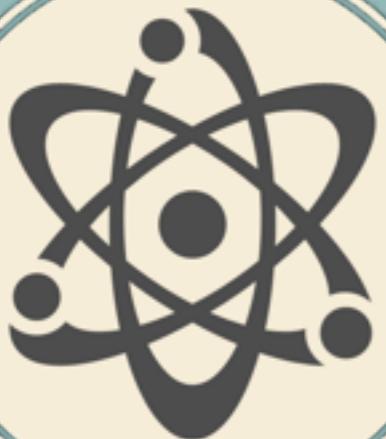
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SOFTWARE REQUIREMENTS

EXERCISE 1

Communicating with People is Hard

Pink Elephants Exercise

SOFTWARE REQUIREMENTS

EXERCISE 1

How to draw an owl

1.



2.



1. Draw some circles

2. Draw the rest of the fucking owl

SOFTWARE REQUIREMENTS

EXERCISE 1



SOFTWARE REQUIREMENTS

EXERCISE 1

Communicating with Computers is Harder

<http://xkcd.com/1133/>

SOFTWARE REQUIREMENTS

ASSIGNMENT

Write down, in painstaking detail, exactly **how to change a tire.**

Assume an absolute asshole* is going to try to fuck it up, while still following your instructions to the letter.

* This is a good pet name for your compiler/interpreter

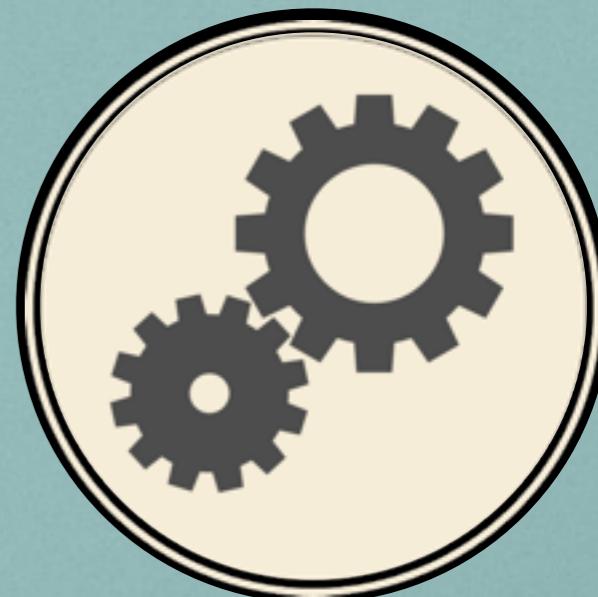
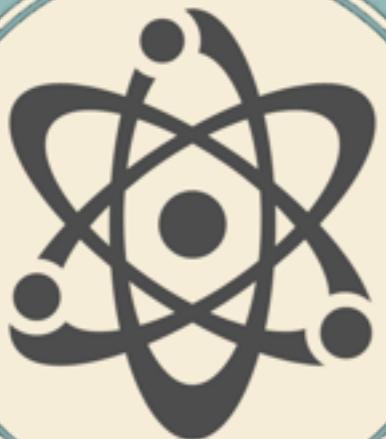
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LOGIC & GATES

ABOUT THAT...

I didn't think we'd make it this far today.

<http://logic.ly/demo/>

LOGIC & GATES

ABOUT THAT...

