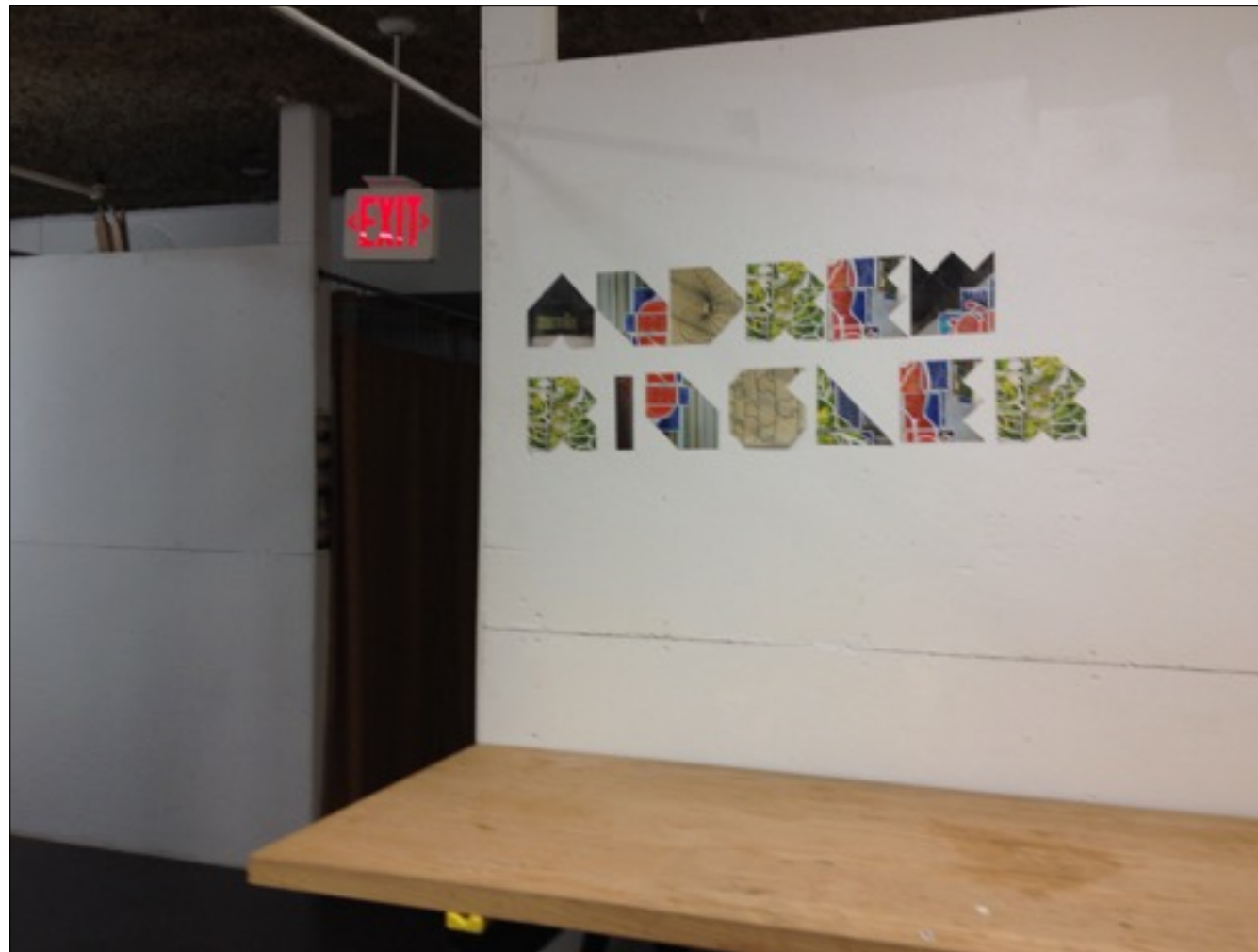


Web 1

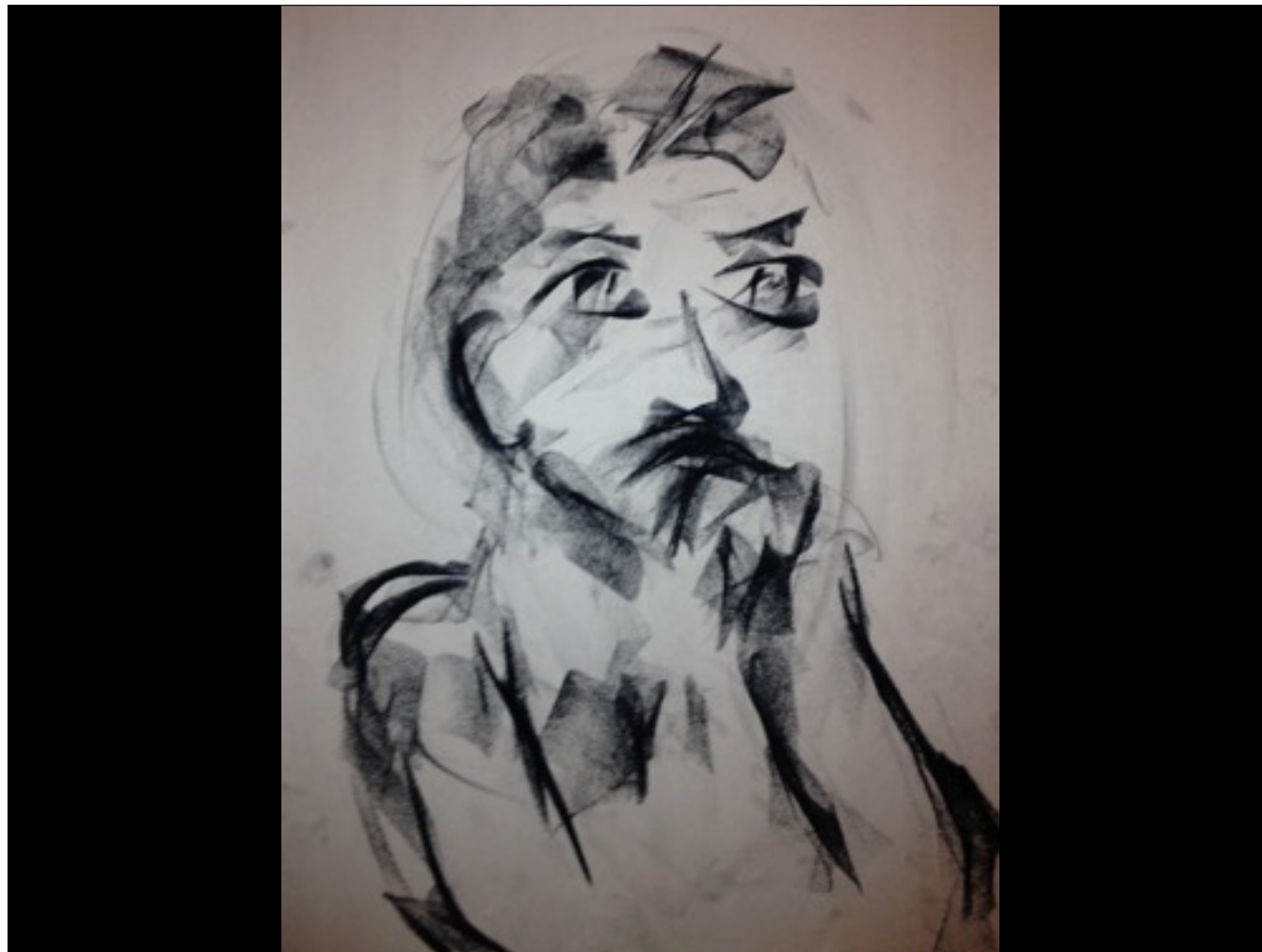


So, first a little bit about me, Andrew Ringler.



I do Improv.

Which means I can stand on a stage with 2 chairs.



I often make charcoal drawings



I make short films.



I make interactive, tactile & collaborative digital art

and I make websites

and I'm a programmer

Syllabus

go over syllabus

Buy book: HTML and
CSS by Jon Duckett

Get Massart ID

Login to Massart
email

Questions

Questions

What is the Web Today?

the web today

- Commercial: amazon.com
- Informational: massart.edu,
maps.google.com
- Social: facebook.com, twitter.com
- Interest: pinterest.com, meetup.com
- Games: zyngagames.com

1: The Internet

ARPANET 1969

ARPANET 1969

U.S. sponsored network between universities.

originally just file sharing. then other protocols were added (we'll talk more about protocols later)

the phone network. switching.

<http://www.internetsociety.org/internet/what-internet/history-internet/brief-history-internet#Origins>

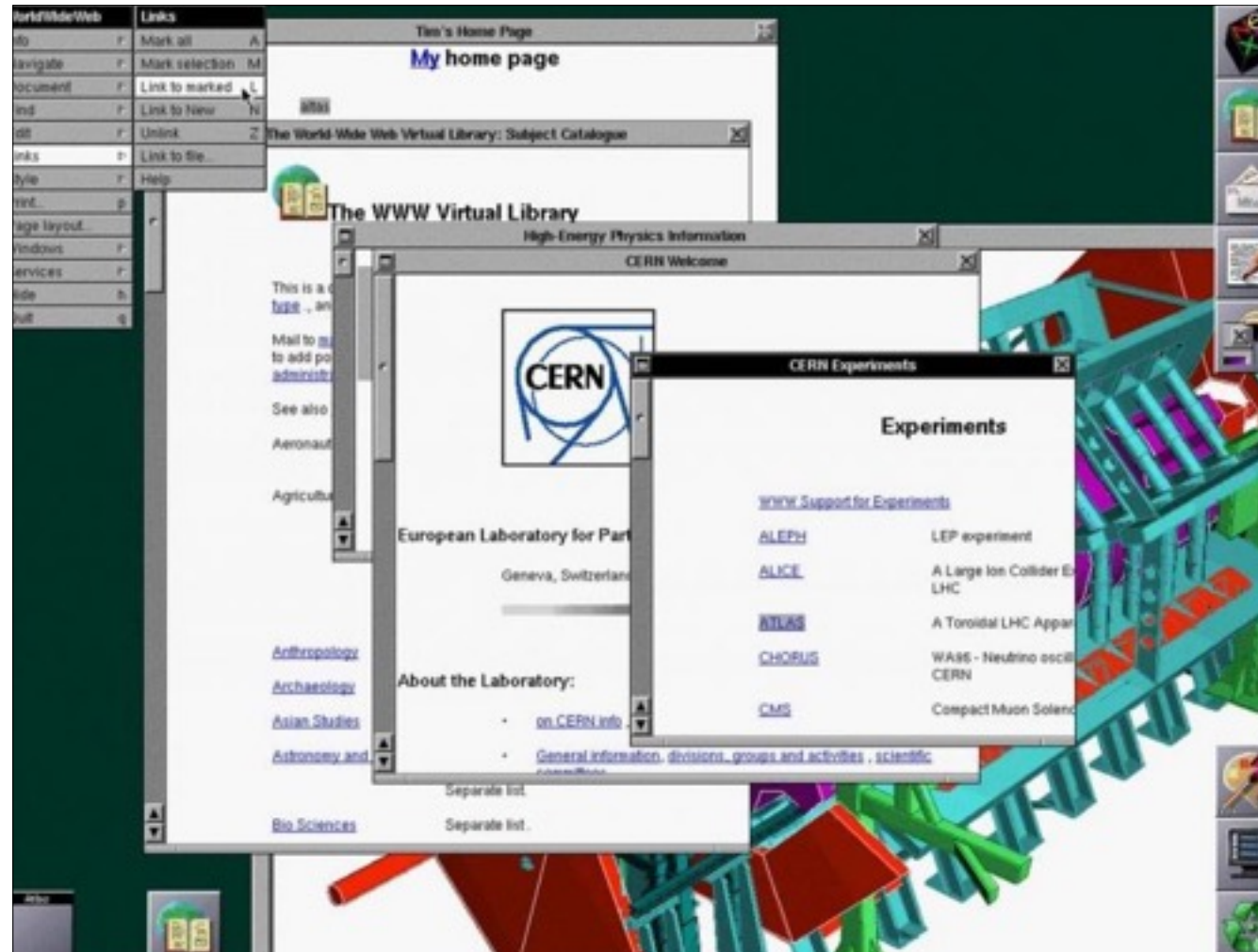
World-Wide-Web

World Wide Web 1989 by Tim Berners-Lee

<http://home.web.cern.ch/topics/birth-web>

<http://5by5.tv/webahead/85>

what did it look like:



This is actually a 2013 recreation of what it might have looked like to Tim Berners-Lee's using his original computer from the 80s which still runs.

the first website

<http://info.cern.ch/>

in browser, and with line-mode browser

Files, resources and URLs

By the time the world web came around 1989, the internet (the network of computers) had already been around since the 70s

it already did stuff? can you think of anything it did then?

email, files, URLs



Not A Series of Tubes: An Internet Primer [video]

watch video (5min)

<http://www.dontfeartheinternet.com/the-basics/not-tubes>

What does a Web
Designer Do?

design
development
front-end vs back-end

Do I Need to Design
Every Website?

Blogs:

wordpress.com

blogger.com

tumblr.com

Portfolio:

squarespace.com

behance.com

lots of sites.

Why Should I Then?

more control
customize platforms (edit CSS)
design freedom

What do I Need to
Learn?

Need:
a computer
text-editing software (for code)
an internet connection

Skills:
design: experience, visual, information
code: html, css (eventually javascript)
and maybe php

You will not need to learn PHP or Javascript for this course, but I will introduce you to them

How Does the Web Work?

diagram

The Internet is not the same as the
World-Wide-Web



IP Addresses
DNS
URLs
default files

IP addresses
just like phones 617-544-1020

visit a google IP address
216.58.219.206

windows users: don't use backslash
called forward by the top, the top faces forward (IE western left-to-right languages)

client vs server

web browsers

resource request cycle

Some Important Concepts

I am just going to introduce them now, so that you know that they are there. But we will go into them in more detail later in the course and some of these concepts we will refer to throughout the course.

The 1st website still works?
<http://info.cern.ch/>

Yes. the 1st website still works.

<http://info.cern.ch/>

a system is **backward compatible** if it can work with input generated by an older product or technology such as a legacy system.

—http://en.wikipedia.org/wiki/Backward_compatibility

Forward compatibility is the ability of a design to gracefully accept input intended for later versions of itself.

—http://en.wikipedia.org/wiki/Forward_compatibility

Web Standards

Progressive Enhancement

Accessibility

Devices

Responsive Web Design

Performance

Flash

Plus canvas, svg & javascript and how all of these can replace Flash

In-class

Atom.io

github's atom text editor

In-class:

- text-editor
- file://, browsing the web locally
- document with no structure
- add markup

parsing of html by web-browsers is forgiving
default styles

anatomy of an HTML page

anatomy of an element

[view source](#)
[software licenses & creative commons](#)



Awesome Web

Links from Martha Rettig

<http://marthar.github.io/webspring-2015/1.html#slide-137>

In-class



Cyberduck

note that it costs money in the apple store

just go to their website and download and install it for free

In-class 2:

- FTP
- upload index.html to your student folder online

Homework #1

introduce homework #1

Elements for homework:

- h1
- a
- p
- ul, li
- img