Abel Sanchez, abel@mit.edu, John R Williams, jrw@mit.edu
Massachusetts Institute of Technology

Rise of Systems & Data

More Systems & More Data

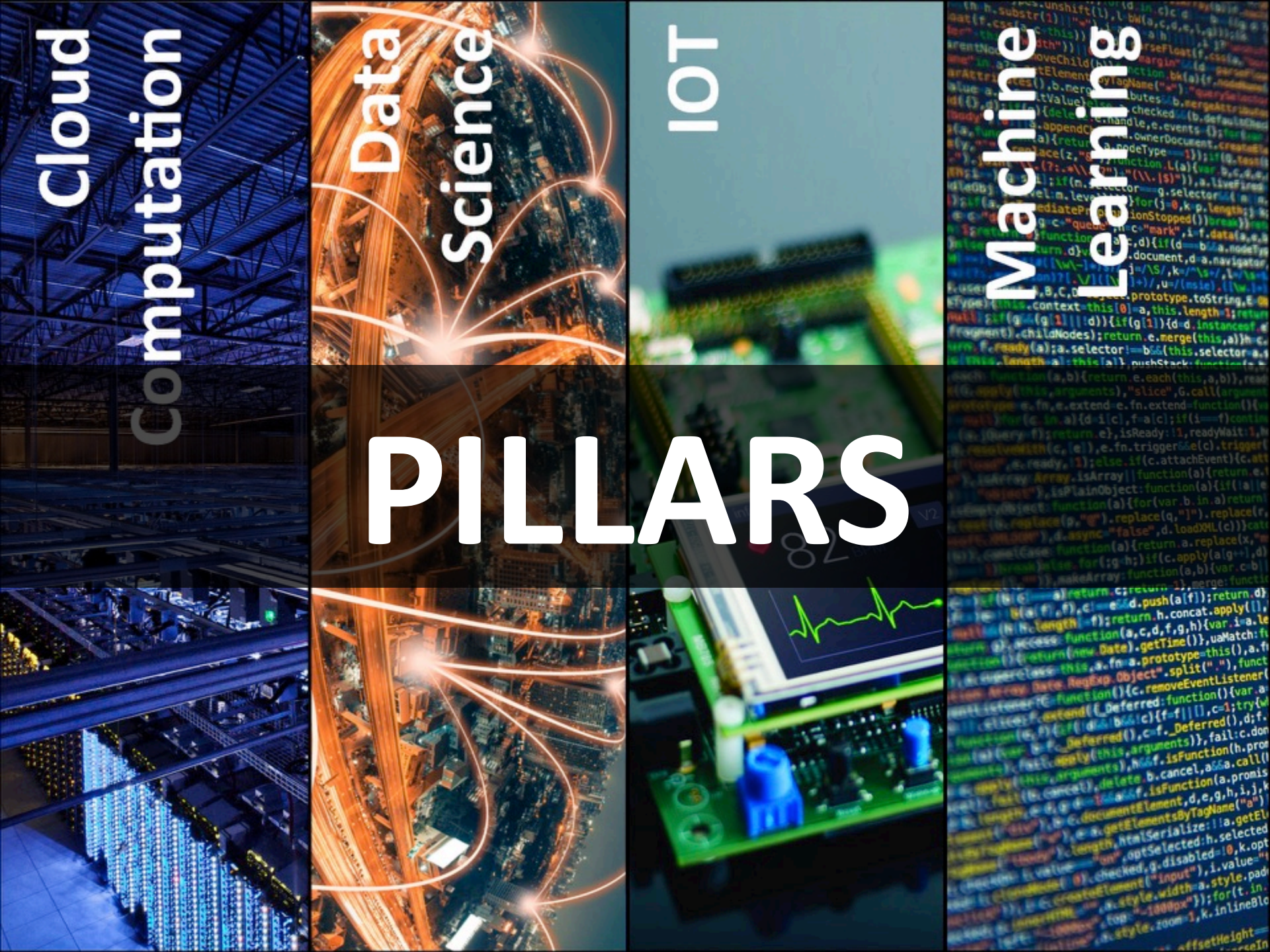
10 MPH
STORM ADVISORY
5 HRS REMAINING
12 PM 1 PM 2 PM 3 PM 4 PM
73° 72° 68° 63° 62°
20 MPH
30 MPH
40 MPH
30 MINS
1 HR
2 HR
STORM DIRECTION
4" EXPECTED RAINFALL

Everywhere

Abstractions for Building
Software Systems Have Risen

New normal: A Single Person can Build a Complex Software System

New normal: A Small Team can Challenge an Industry


Cloud Computation
Data Science
IOT
Machine Learning
PILLARS

WEB

DEVICES

DATA SCIENCE

SECURITY

COMPUTATION

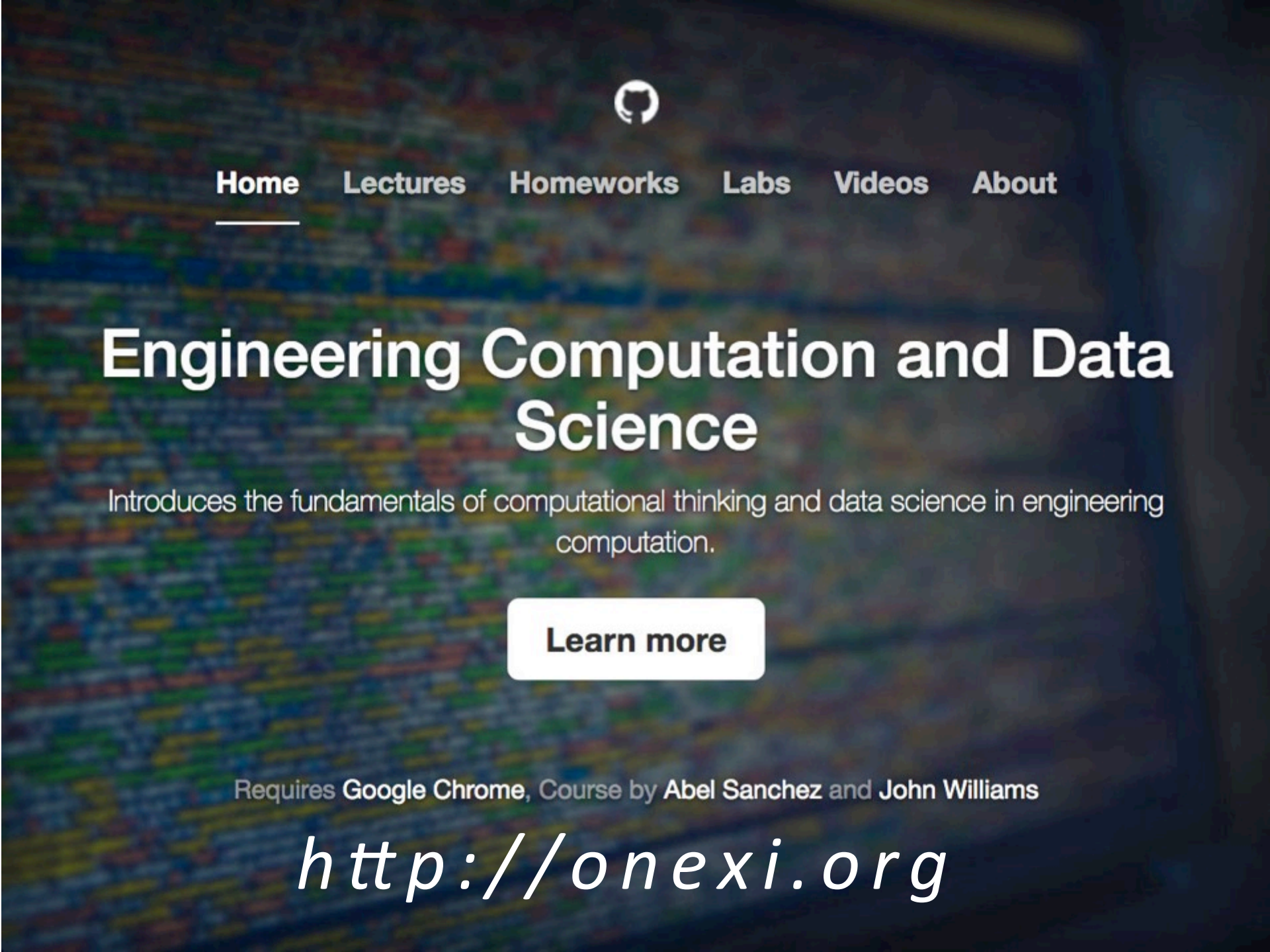
VISUALIZATION

MACHINE LEARNING

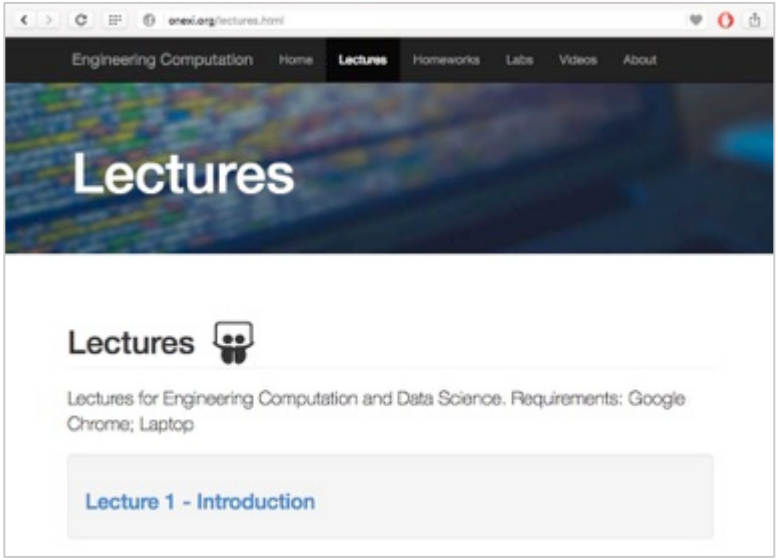
CLOUD

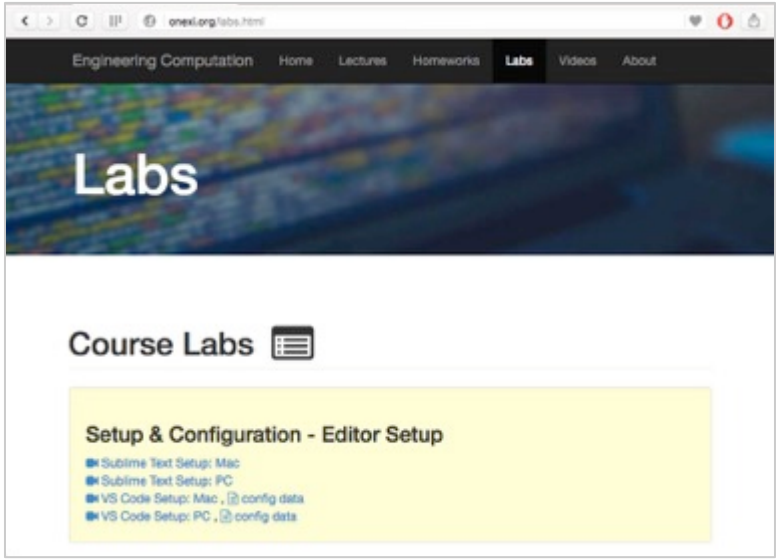
1.00 Engineering Computation & Data Science

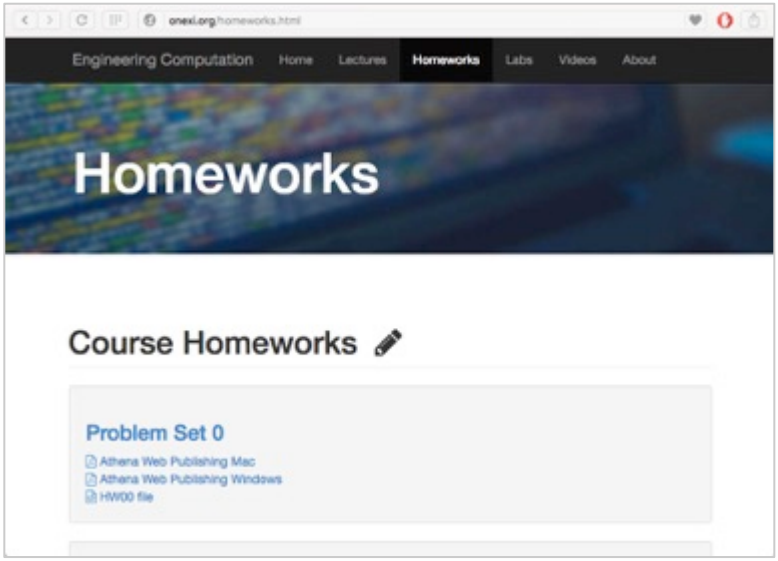
John R. Williams, Abel Sanchez, Lecture: MWF 9:30-11 (1-390)

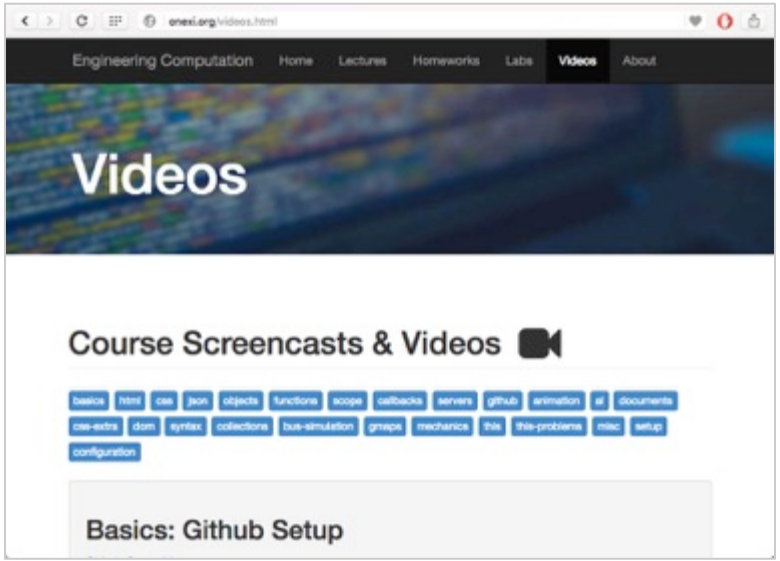

Home
Lectures
Homeworks
Labs
Videos
About
Engineering Computation and Data Science
Introduces the fundamentals of computational thinking and data science in engineering computation.
Learn more
Requires Google Chrome, Course by Abel Sanchez and John Williams
http://onexi.org

All Content Online, http://onexi.org









Class Template

Class Prep

Mini Lectures

Active Learning

Abel Sanchez
abel@mit.edu

John R. Williams
jrw@mit.edu