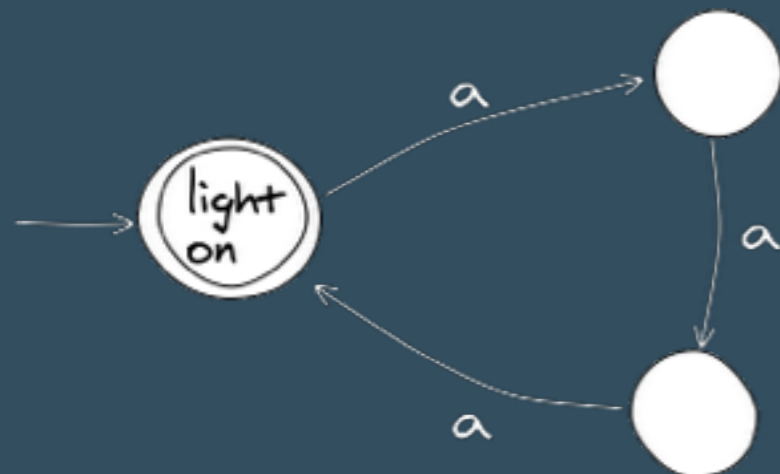

Spring 2015 - Berkeley, CA



CS24

FRESHMAN SEMINAR FOR CS SCHOLARS

WEEK 1 - INTRODUCTION - LATEX101

WHO ARE YOU?

CESAR TORRES

2nd Year PhD Student Computer Science

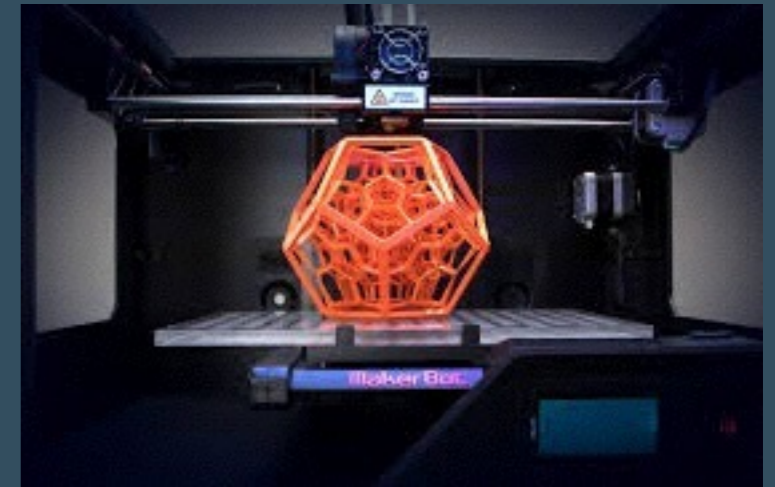
Creativity Support Tools - New Media Theory

B.S. Computer Science

B.A. Art Practice

Stanford U. '13

Diversity in CS





INTRODUCTIONS



NAME

YEAR

**WHAT INTERESTS YOU IN
COMPUTER SCIENCE.**

**WHAT DO YOU FIND THE MOST
DAUNTING.**

What is a CS24?



THE BEAD MAKER -- Apprentice Watches the Master -- A Rosary Shop in Old Meiji-Era Japan

<https://www.flickr.com/photos/okinawa-soba/2585609947/>

Objectives

**TRANSFER TACIT KNOWLEDGE OF
COMPUTER SCIENCE**

CS24 WILL BE A *PRACTICUM*

**LEARN TOOLS OF THE TRADE
DEVELOP PROGRAMMING SKILLS
ENGAGE WITH RESEARCH
REINFORCE CS61B TOPICS**

CONTACT INFO

Cesar Torres (cearto@berkeley.edu)

Please add CS24 to the subject line

OFFICE HOURS

By Appointment, BCNM 4th Floor

Class Meetings

Tuesday 1pm 2pm, Soda Hall 310

Piazza

<https://piazza.com/berkeley/spring2015/cs24/resources>

Website

<http://cearto.com/teaching/cs24>

NO FINAL / PROJECT

Assignments

COOKBOOKS

DEVELOP PROGRAMMING SKILLS

GROUPS OF 2

ASSIGNED A RECIPE

E.G. GET FILES NAMES FROM A DIRECTORY

ITERATION/TEST/DOC

DUE EVERY SUNDAYS

MIDNIGHT

PROBLEM SETS

AID WITH CS61B

GROUPS OF 4

ASSIGNED A TOPIC

E.G. LINKED LISTS

5 EXAM-TYPE Q/A

DUE EVERY TUESDAY

MIDNIGHT

REVIEW DUE TUESDAY

MIDNIGHT

RESEARCH SEMINAR

CS Scholars are required to attend at two lectures with at least three hours of the EECS-related research seminars, write and submit a page summary (in LaTeX).

SUMMARY

TWO INSIGHTS

ONE OVERSIGHT

**EXPLANATION OF A CONCEPT
NOT UNDERSTOOD**

RESEARCH SEMINAR

EECS Department Colloquium (Wed 45PM) <http://www.eecs.berkeley.edu/Colloquium/>

BiD Lab Seminar (Tues 12 1pm)

<http://schedule.bidseminar.com/>

SWARM Lab Seminar (Thurs 12:30-2:00 pm)

<https://swarmlab.eecs.berkeley.edu/swarmlabseminarseries>

Programming Languages Seminar (Thurs 12pm 1:30pm)

<http://pl.eecs.berkeley.edu/seminar/>

Security (Thurs 12pm)

<https://www.truststc.org/seminar/>

AMPLab (Algorithms, Machines, and People) Seminar

<https://amplab.cs.berkeley.edu/seminars/>

PhD Dissertation Talks

SUBMISSIONS

BitBucket git

COOKBOOK(HTML): [advanced-potion-making](#)

PROBLEMSETS(LATEX): [time-capsule](#)

SEMINARSUMMARIES(GDOC): https://docs.google.com/a/berkeley.edu/spreadsheets/d/19po24tmBN97xHI1K6BjmiM-1pKpBqKjveZkkBZr_toGg/edit#gid=0

POLICIES

Attendance (10%)

Students will be graded on attendance. Students may have at most two unexcused absences (not counting days marked as optional).

Late Day Policy

Each group will be allowed (3) three late days (24 hrs). No written request need be submitted.

SCHEDULE

Jan 20	Introduction, LaTeX 101
Jan 27	Introduction to Version Control (Git) Forming Groups
Feb 3	Lecture: Web Technologies Chrome Extension
Feb 10	Lecture: Relational Databases SQLite3
Feb 17	<i>TBD</i>
Feb 24	61B Midterm 1 Review
Mar 3	Lecture: HumanComputer Interaction
Mar 10	Lecture: Computer Graphics Three.js
Mar 17	<i>Spring Break No Class</i>
Mar 24	Lecture: Artificial Intelligence 2048

Mar 31	<i>TBD</i>
Apr 7	Lecture: Networking How to Build the Internet
Apr 14	Lecture: Physical Computing
Apr 21	Grad Panel / Job Panel
Apr 28	Wrap up, HKN Surveys
May 5	RRR Week CS61B Final Review (<i>Optional</i>)
May 12	Finals Week Good luck!

TODOS

GET A BITBUCKET ACCOUNT

DOWNLOAD LATEX, SUBLIME, GIT

MAKE SURE YOU ARE ENROLLED, PIAZZA, GDOC

SUBMIT A HELLO LATEX

BY DROPBOX LINK BY TUESDAY

NAME, YEAR, PICTURE (FLOATING), INTERESTS (LIST),
CLASSES YOU ARE TAKING (TABLE)

QUESTIONS ?

Week 2

Introduction to Version Control (Git) & Forming Groups

HELLO LATEX DUE MONDAY - INSTALL SOFTWARE
