

CMPSC 100 SPRING 2021

The future is a bunch of '80s polygons



WELCOME & COURSE INFORMATION

- Instructor: Prof. Luman
- Technical Leaders:
 - Nathan Loria
 - Sweta Rauniyar
 - Kai'lani Woodard
- Both Technical Leaders (TLs) and I have office hours - I'll share mine today and TLs' with you next week
 - All office hours appointments are virtual unless otherwise specified

WELCOME & COURSE INFORMATION

- After this week, course meets in groups:
 - Group A M 9:20-10:20
 - Group B W 9:20-10:20
 - Labs are split
 - Group A R 2:50-3:45
 - Group B R 3:40-4:45
 - Fridays both groups together
 - Can be an “all remote” day
- Quizzes are due by 8 AM on Fridays
 - A syllabus quiz will be posted to the schedule and Slack later this morning

WELCOME & COURSE INFORMATION

- This class will move quickly
- Main methods of instruction:
 - “Sandboxing”
 - Worksheets
 - Weekly labs
 - A course project
- We will “sandbox” together most days except Thursdays – that’s Lab
 - No “sandbox” this week

WELCOME AND COURSE INFORMATION

- To support you, I've provided a way for you to request help: the Student Support ticket.
 - This provides a record for me and the course TLs.
 - It also allows you to keep working.

WELCOME & COURSE INFORMATION

- At the beginning of the week, you will receive a “repository” (a.k.a. “repo”) of the week’s work
 - You can work ahead
 - You can work at the course’s pace
- This work is all due on Sunday night (~11:59p)
 - Rly, who’s up that late?
 - Me
 - You should be sleeping
- Preface: it seems like a lot
 - It is, but we’ll work iteratively

WELCOME & COURSE INFORMATION

I have a thing that seems obvious, but I must repeat it:

You are allowed to work together -- fact.
However, don't copy/paste or type out
exact code that another student or
online forum provides.

COURSE TOOLS: SLACK

- Slack is our main form of communication
- You can direct message me pretty much any time; I'm probably there
 - I don't know what that says about me
- If you haven't signed up already:
 - <https://chomp.link/join-slack>
- If nothing else, emojis

COURSE TOOLS: JUPYTERHUB

- We will use this platform this semester
 - Future CMPSC courses have a different approach
- I manage the server
 - Come to me with technical issues
- You need to use your GitHub to log in
 - Most of you have already done this
 - If you get a 403 error, I need to add you to the access list or fix my spelling

COURSE TOOLS: GITHUB

GitHub



JupyterLab



GitHub



“Working”
directory

GETTING STARTED: SSH



We need to create a key

- This will secure our communication between the course Jupyter and GitHub
- It's often referred to as an SSH key
 - I made a 10+ minute video on it (linked in the assignment)
 - I don't know how it turned out to be 10 minutes

GETTING STARTED: SSH



```
ssh-keygen -t rsa -b 4096 -C "YOUR ALLEGHENY EMAIL"
```