

Plan from here on out

- IF YOU HAVE ANY ASSIGNMENTS THAT YOU'D LIKE TO UPDATE, DO IT THIS WEEK.

• "FINAL EXAM"

① please do iEval

② "exam" to be posted.

IT WILL CONSIST OF:

- sign up for kaggle
- do a basic tutorial
- upload to github
- some "what did you learn" Q's
- PROVIDE FEEDBACK TO ME

We... let's say Fri of finals wk.

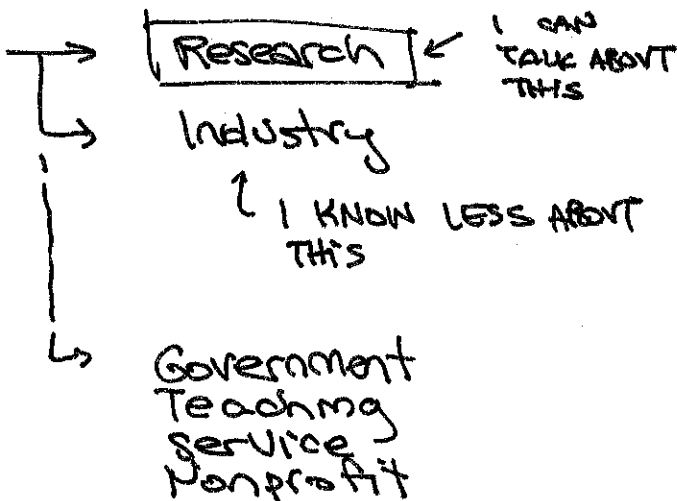
WORTH ... 35%.

... will be graded generously ☺
(BUT STILL GRADED !!)

↓
TODAY: walkthrough

TODAY: now you can code.
What do you do with your newfound superpowers?

two answers



we'll talk about REU's today

THURSDAY: I'm happy to talk about anything
I am qualified to talk about.

ACADEMIC / RESEARCH CAREER

↓

① UNDERGRAD → BACHELOR'S

- BACKGROUND IN ALL CORE PHYSICS AREAS
- STRONG PREP IN MATH, LAB

IDEAL: programming / hacking ✓
 "data analysis" as appropriate
 OR INSTRUMENT DESIGN / USE

some kind of capstone
 that you're proud of.

PRESENTATION SKILLS

↳ eg 5 min elevator pitch
 of an idea

CAN YOU SPEAK for 5 min
 to someone who knows

↳ << than you
 ≈ $\frac{++}{--}$
 >> $\frac{++}{--}$?

can you write for those audiences?

[yes, you all impressed me on midterm]

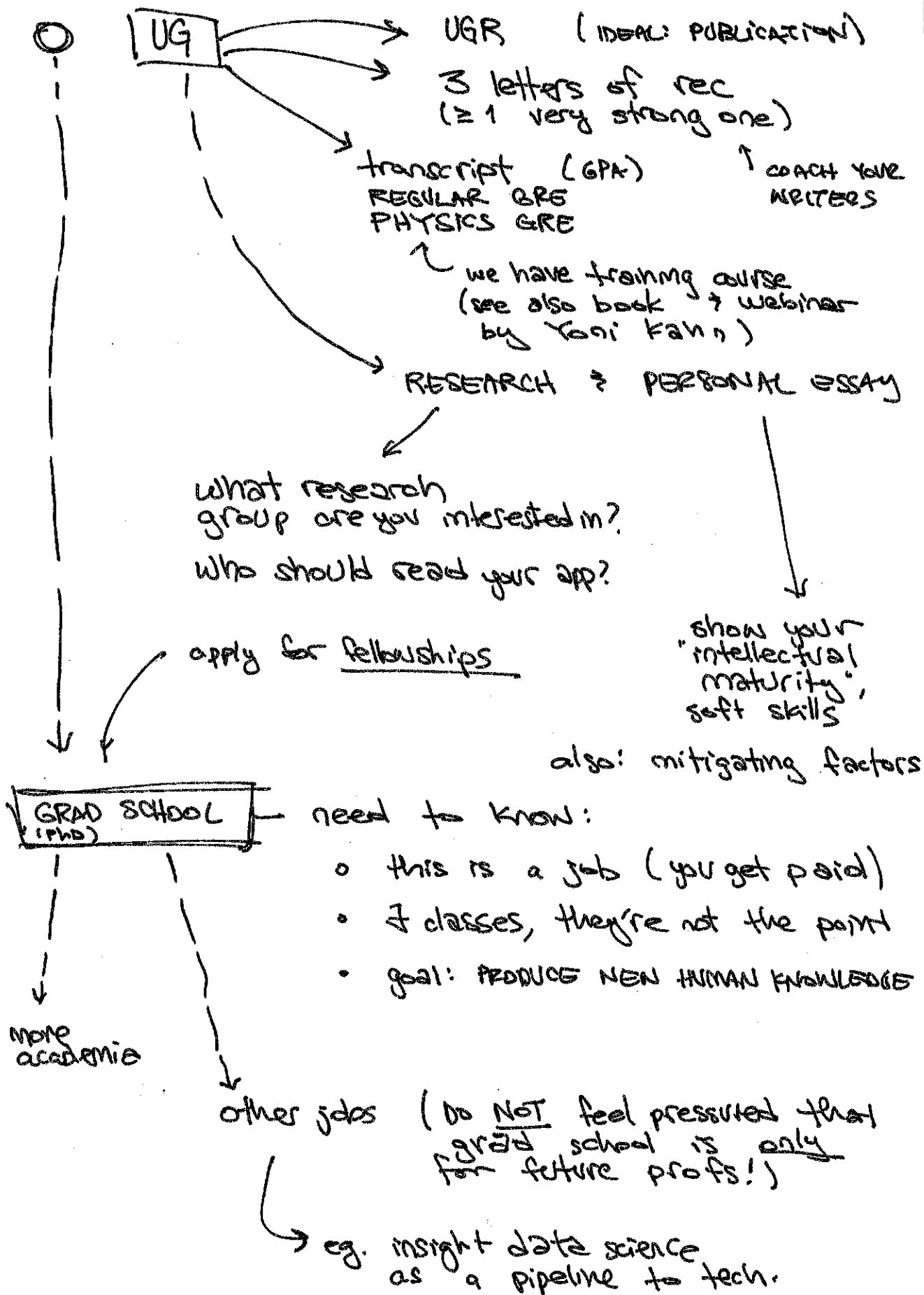
⇒ Latex

← definitely a skill
 you need
 (unless cond-mat exp)

← learn by example

Undergrad
 Research

← usually computational
 skills help!



a few things you should know @ this stage:

- have a CV

↳ eg overleaf, LaTeX template

→ know how this is different from a RESUME

↑ ? know how to turn it into a resume

→ contains everything of academic relevance

↳ good snapshot of what faculty life is like. why include service?
B/C YOU'RE JUDGED ON 'EM!

- how to find Research ops.

EASY: on campus.

↳ how to ask.
(PITCH EMAIL)

↳ name, background (CV/transcript)

brief!

→ why INTERESTED
→ why a GOOD FIT → eg sithub
→ offer refs/ time to meet/ next step
eg funding?

BETTER: off campus

"REU" ← just google!

↑ see APS, NSF for lists
popular: CALTECH SURF (reg. work
ahead of time !!)

SULI, etc.

look for these in
fall & winter!!

→ they pay you.

how to ask for letter of rec:

- PLAN AHEAD of TIME

↳ give recommender time to write something thoughtful

meet
in
person!

↳ to discuss your plans w/ you

↳ you'll get good advice

... ↳ a better letter if they feel involved

→ give copies of your application

↳ so recommenders know what to write around

↳ what the criteria of the application are!

esp essays.

→ give cliff notes of what you want your recommender to write

- especially anecdotes of when you shined

- make it easier on recommender
LESS TIME LOOKING UP RECORDS
= MORE TIME WRITING ELOQUENTLY

→ give regular reminders

↳ for me: half life.

→ let recommender know how it goes!