

Tactical Goals

Complete a State-of-the-Field Project

- At the end of the course: Paper, presentation, demo, and dialogue on a topic:
 - Background content
 - Technical Analysis
 - Future Trends

Learn approaches for technical topic

- Finding content
- Collaborating
- Discussing
- Writing
- Presenting

Strategic Goals

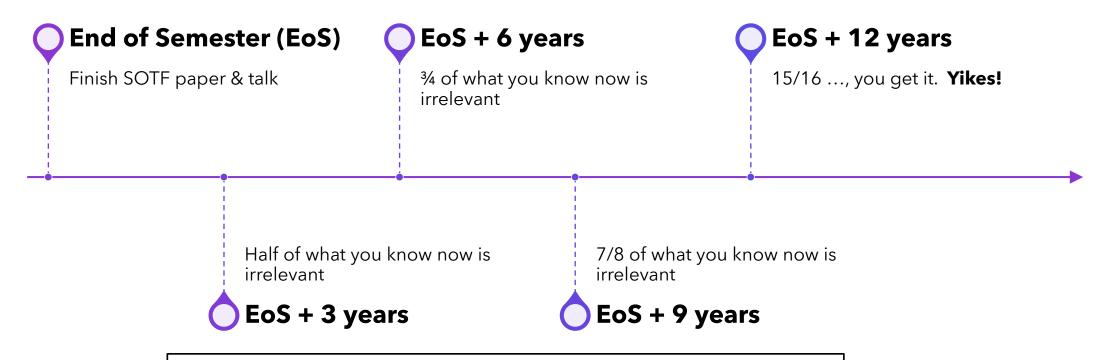
Prepare for professional computing life

- Sustained learning skills and habits
- Presence in the virtual world
- Collaborative approach to life
- I am ready for change

Cultivate a growth mindset

- Execute today's ideas & invest in new ideas
- Do today's job & prepare for next one
- Collaborate today with colleagues & increase your existing network
- I am a learner

Timeline: CS Knowledge "half life"



Without regular learning of new content, our skills diminish! Rate of progress seems to be accelerating: 3 years -> 2, 1.5?

Timeline: CS Knowledge Growth





34 of what you need to know you learned the past 6 year



15/16 of what you need to know you learned the past 12 year, and so on.

Half of what you need to know you learned the past 3 year

+ 3 years

7/8 of what you need to know you learned the past 9 year



Communication tools

Slack

Backbone for lightweight interactions

Zoom

Individual discussions
Backup for Absence

GoogleDocs Generative Al

Collaborative content development

GitHub

Collaborative content management

Slack: Creating persistent presence



Enables a virtual team room experience



Have it on your phone, desktop, tablet, Apple Watch



Monitor it regularly



Generative Al Tools

Exciting new frontier

We will embrace and explore the use of these tools!

We have a virtual CS373 instructor*

* https://chat.openai.com/g/g-0m35Mzndc-cs-capstone-course-companion

Expectations

Keep strategic goals in mind

- Prepare for professional life
- Cultivate a growth mindset
- Our tactics can change

Be transparent

- Communicate to me and your classmates about opportunities, challenges
- · Communicate early, when issues are just emerging and easier to address

Commit

- Stay focused
- Adapt as needed

Resources

https://maherou.github.io/Teaching

