Intro to Computer Science Research

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Tactical Goals

Complete a State-of-the-Field Project

- At the end of the course: Paper & talk on a topic:
  - Background content
  - Technical Analysis
  - Future Trends

Learn approaches for technical topic

- Finding content
- Collaborating
- Discussing
- Writing
- Presenting

Strategic Goals

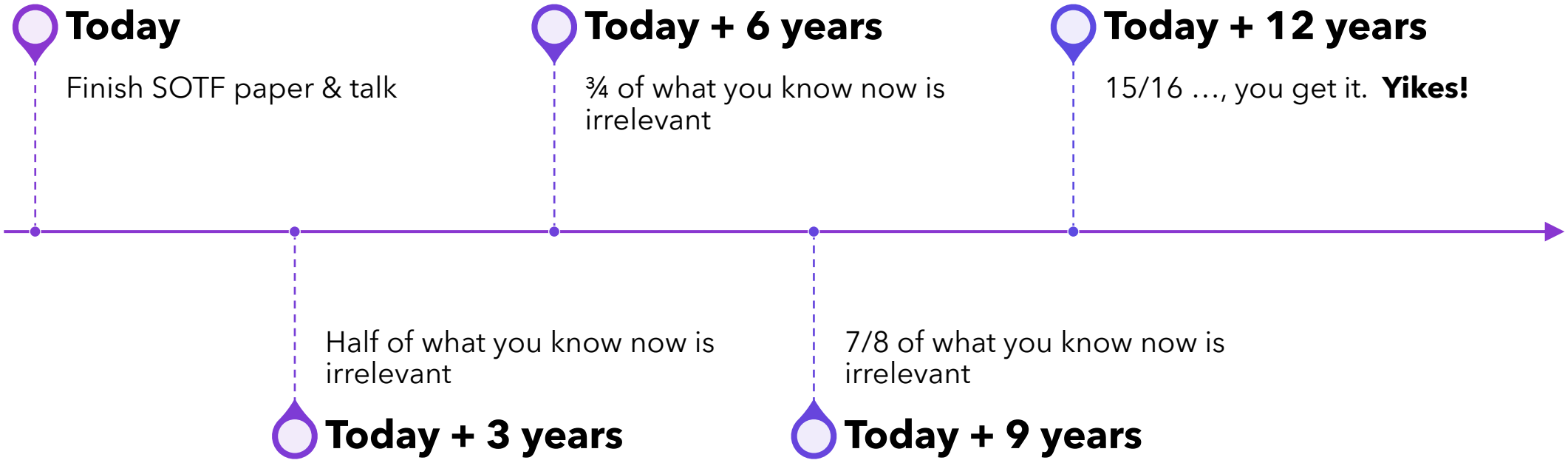
Prepare for professional computing life

- Sustained learning skills and habits
- Presence in the virtual world
- Collaborative approach to life

Cultivate a growth mindset

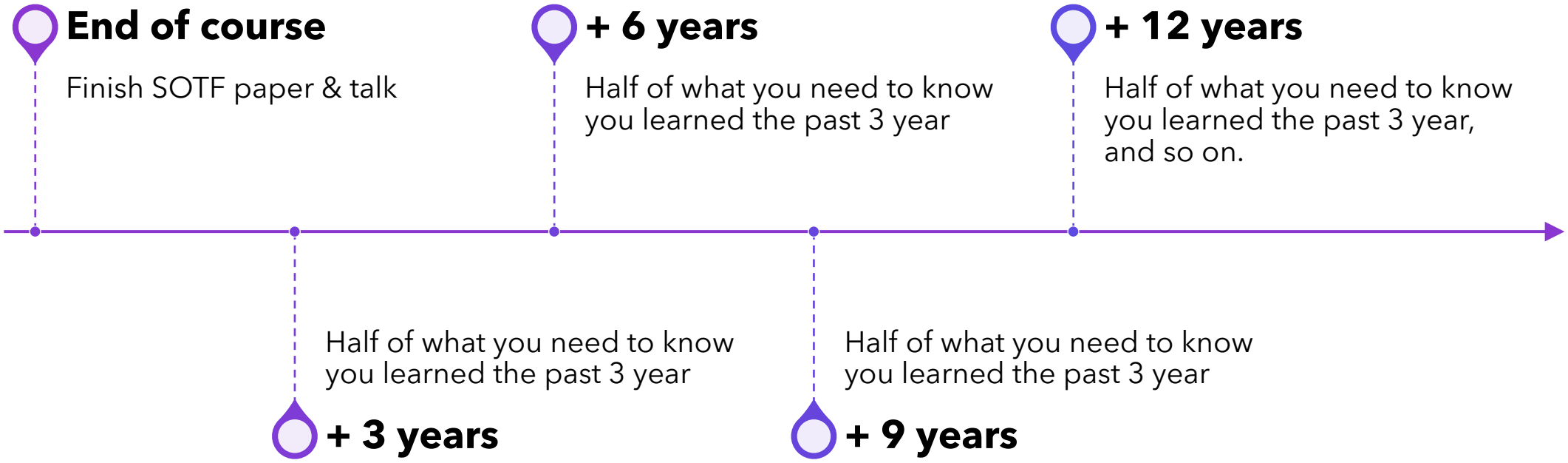
- Execute today's ideas & invest in new ideas
- Do today's job & prepare for next one
- Collaborate today with colleagues & increase your existing network

Timeline: CS Knowledge “half life”

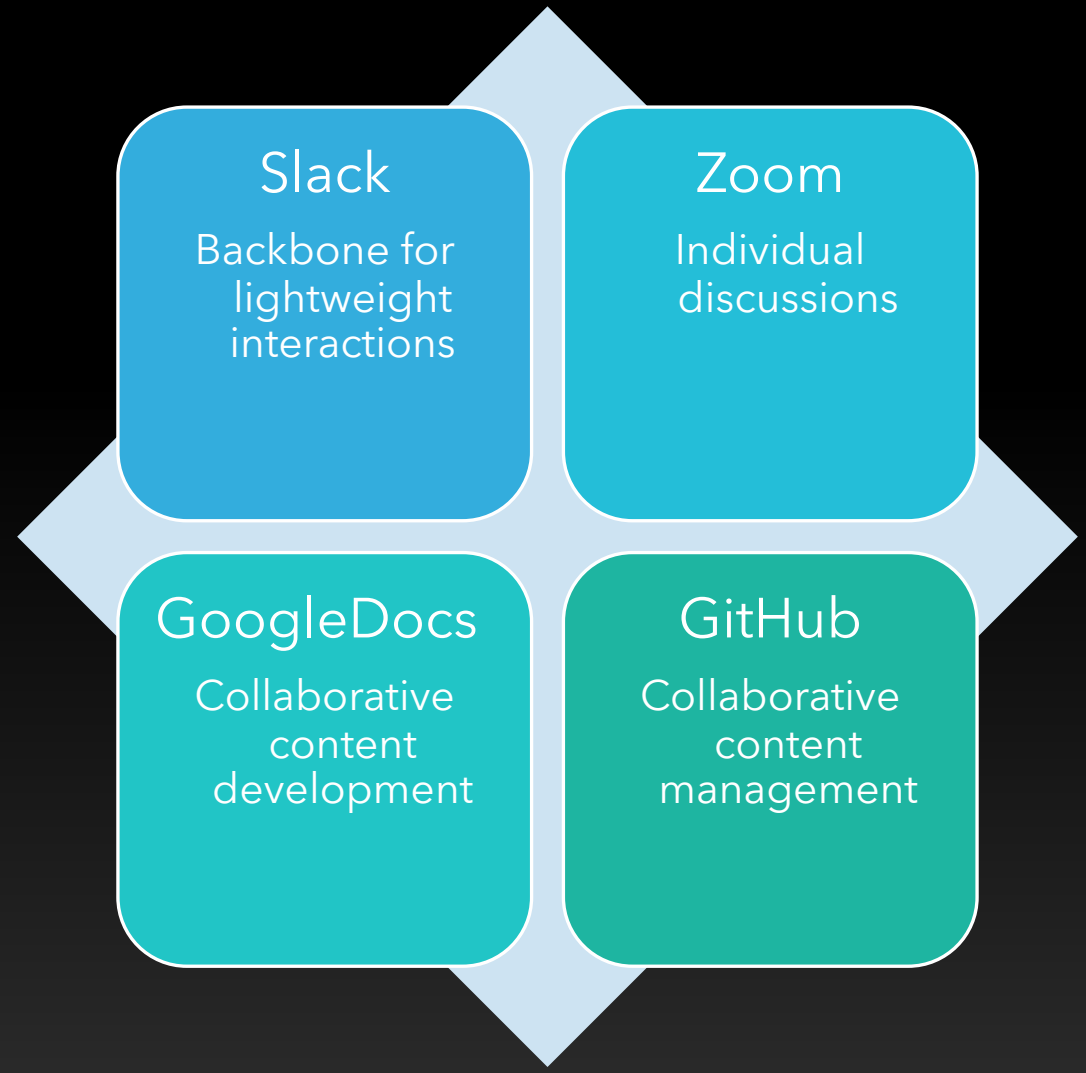


Without regular learning of new content, our skills diminish!

Timeline: CS Knowledge Growth



Communication tools



Slack: Creating persistent presence

Enables a virtual team room experience

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

Monitor it regularly

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 team 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