

The background is a dark blue gradient with abstract, glowing white and light blue lines and dots, suggesting a network or data visualization. A prominent white line with circular nodes at the top left and bottom center is connected by a thin white line. A light blue line with a circular node is visible in the middle right. A small, faint number '289.33' is visible in the lower center.

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

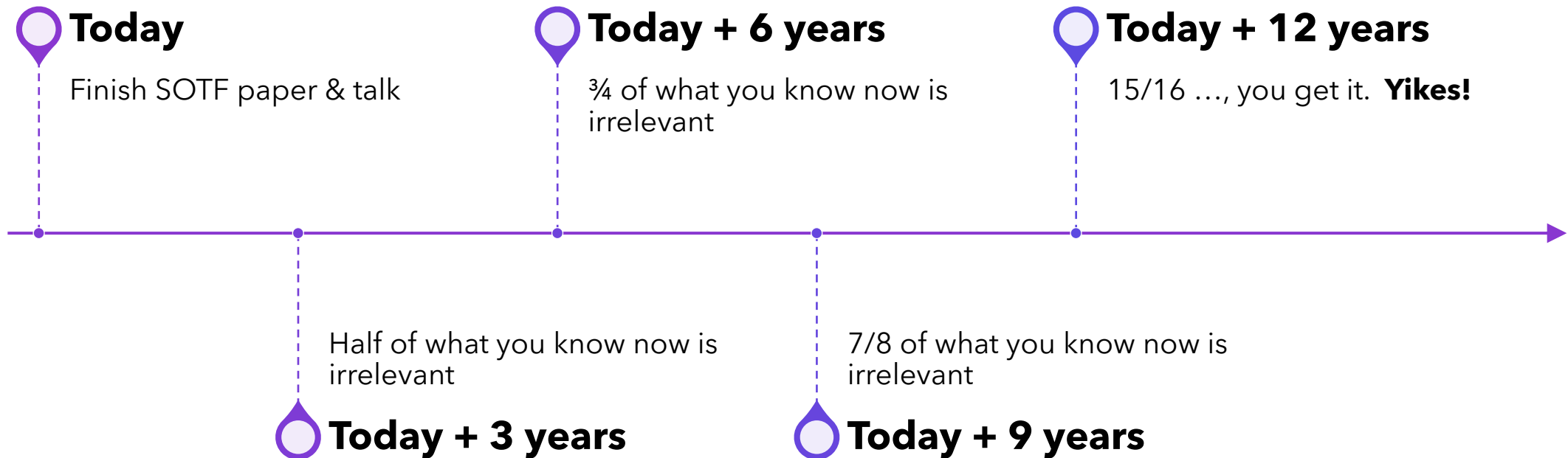
Prepare for professional computing life

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

Cultivate a growth mindset

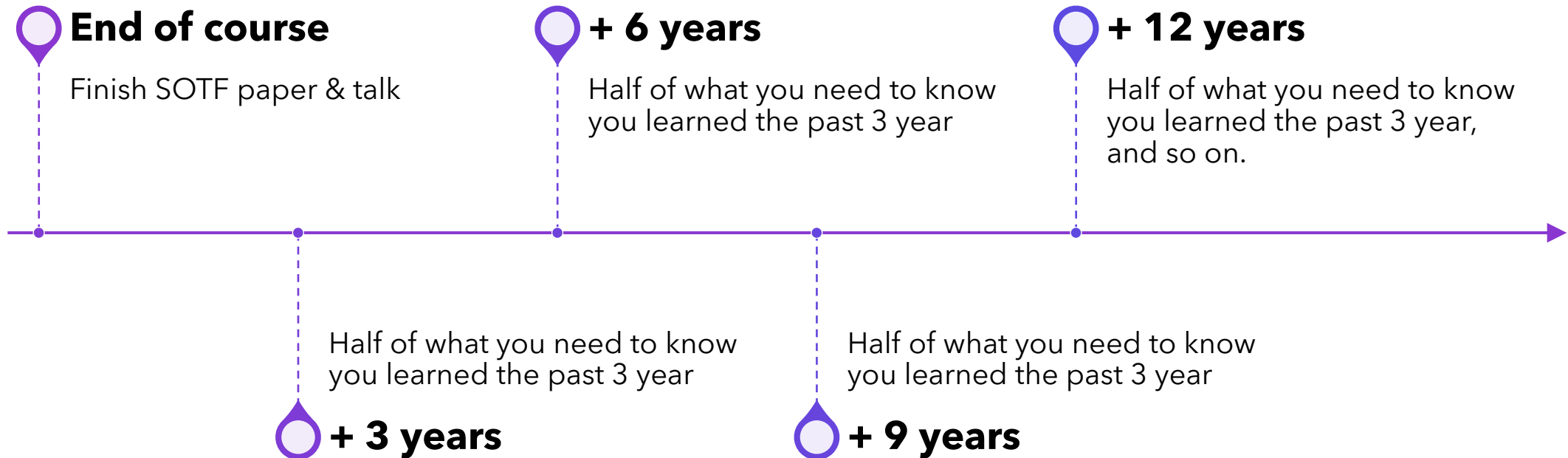
- Execute today's ideas & invest in new ideas
- Do today's job & prepare for next one
- Collaborate today with colleagues & increase your existing network

Timeline: CS Knowledge "half life"

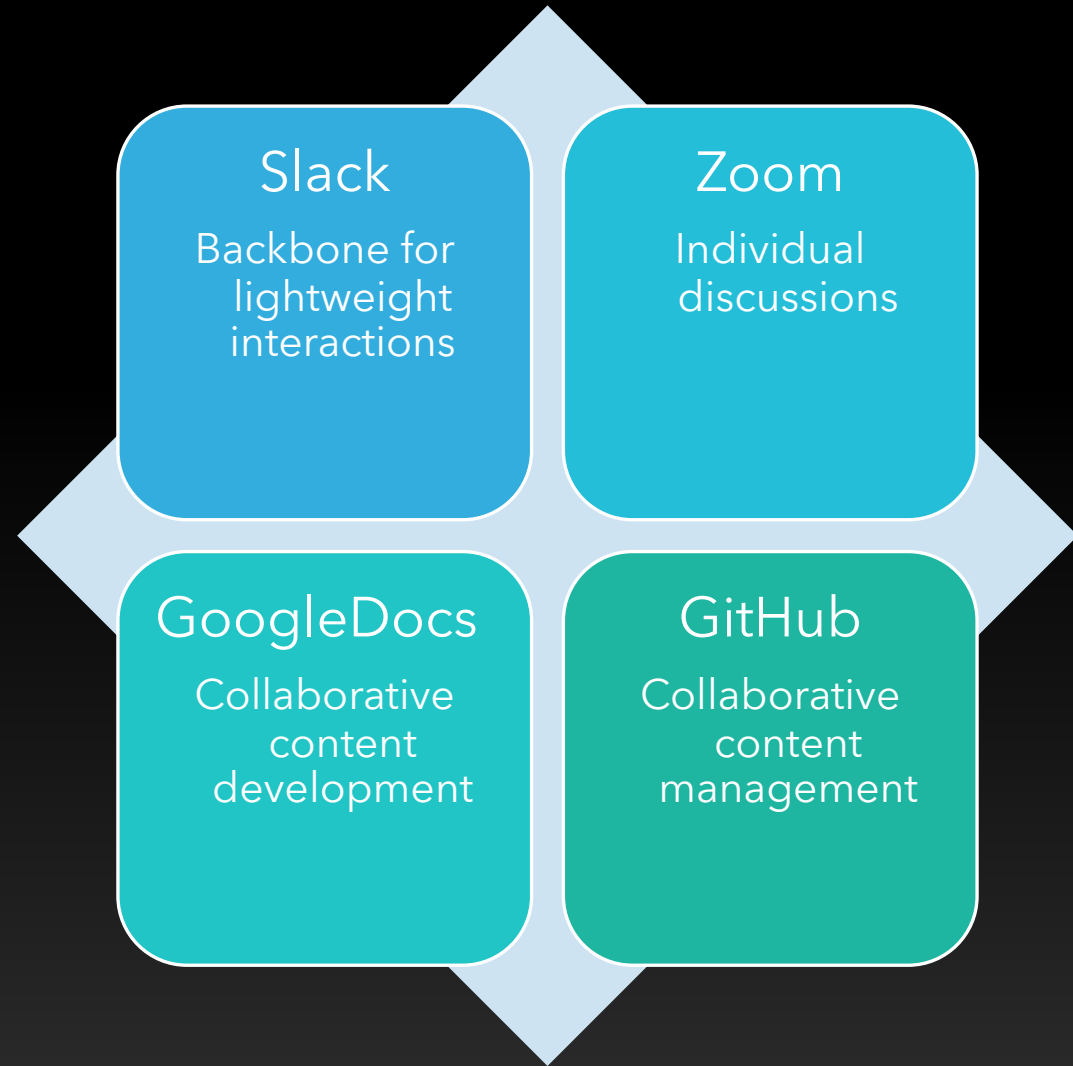


Without regular learning of new content, our skills diminish!

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>

