

The background is a dark blue gradient with abstract, glowing blue lines and data points, suggesting a technical or scientific theme. A prominent white line graph with yellow circular markers is visible on the left side. The graph has four points, with the second point from the left having a value of 289.33. Other faint lines and data points are visible in the background.

# 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

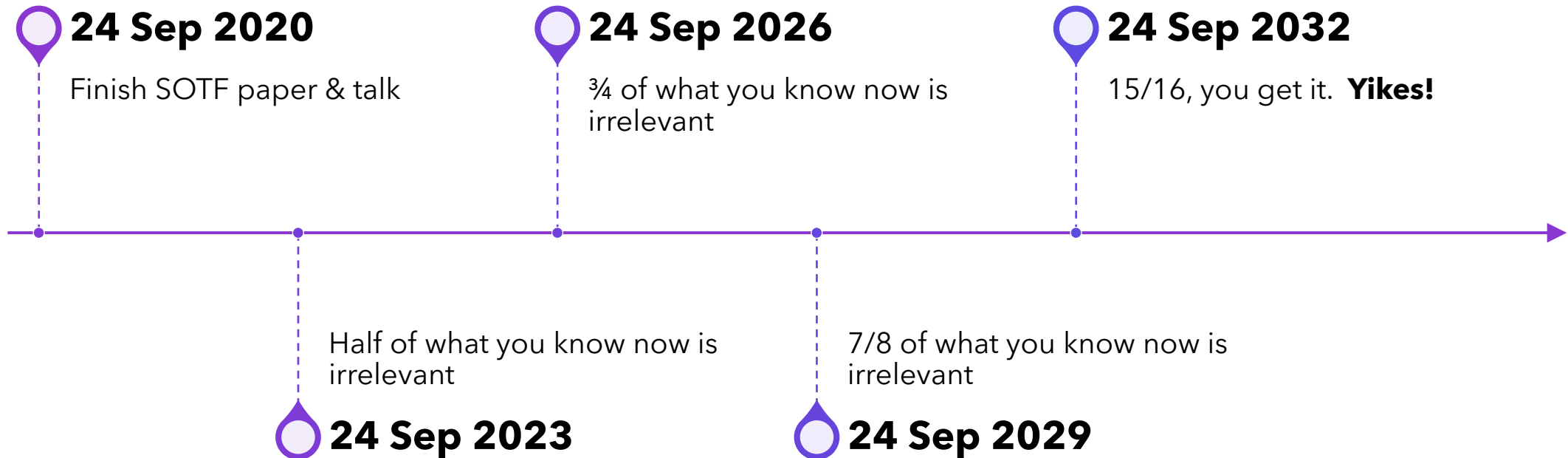
- Sustained learning skills and habits
- Presence in the virtual world
- Collaborative approach to life

## 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

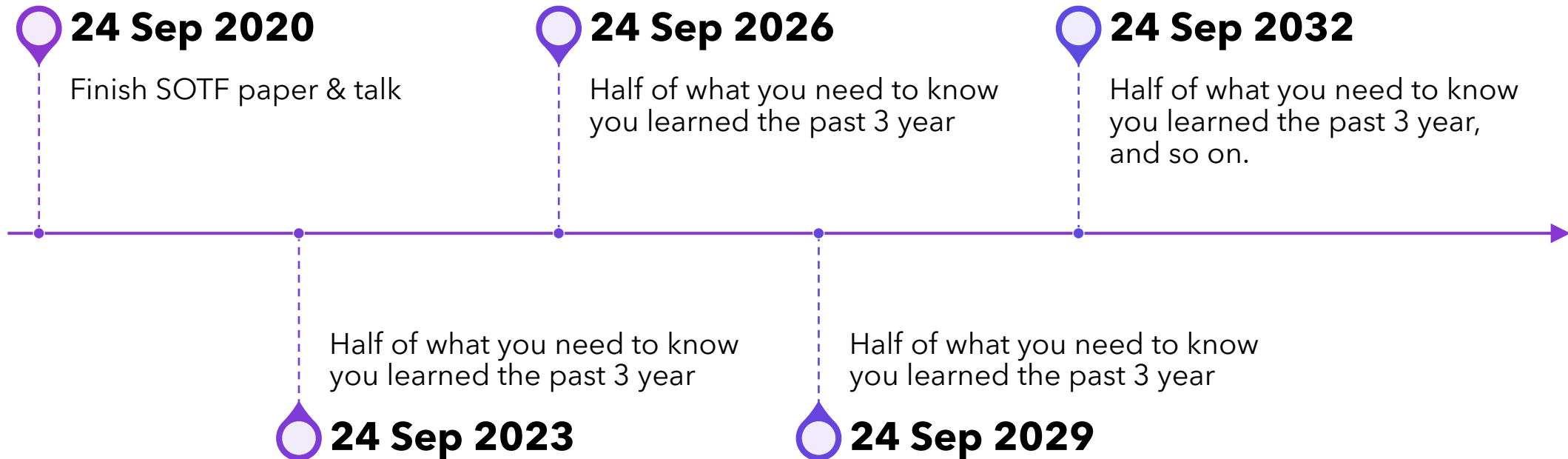
# Timeline: CS Knowledge "half life"

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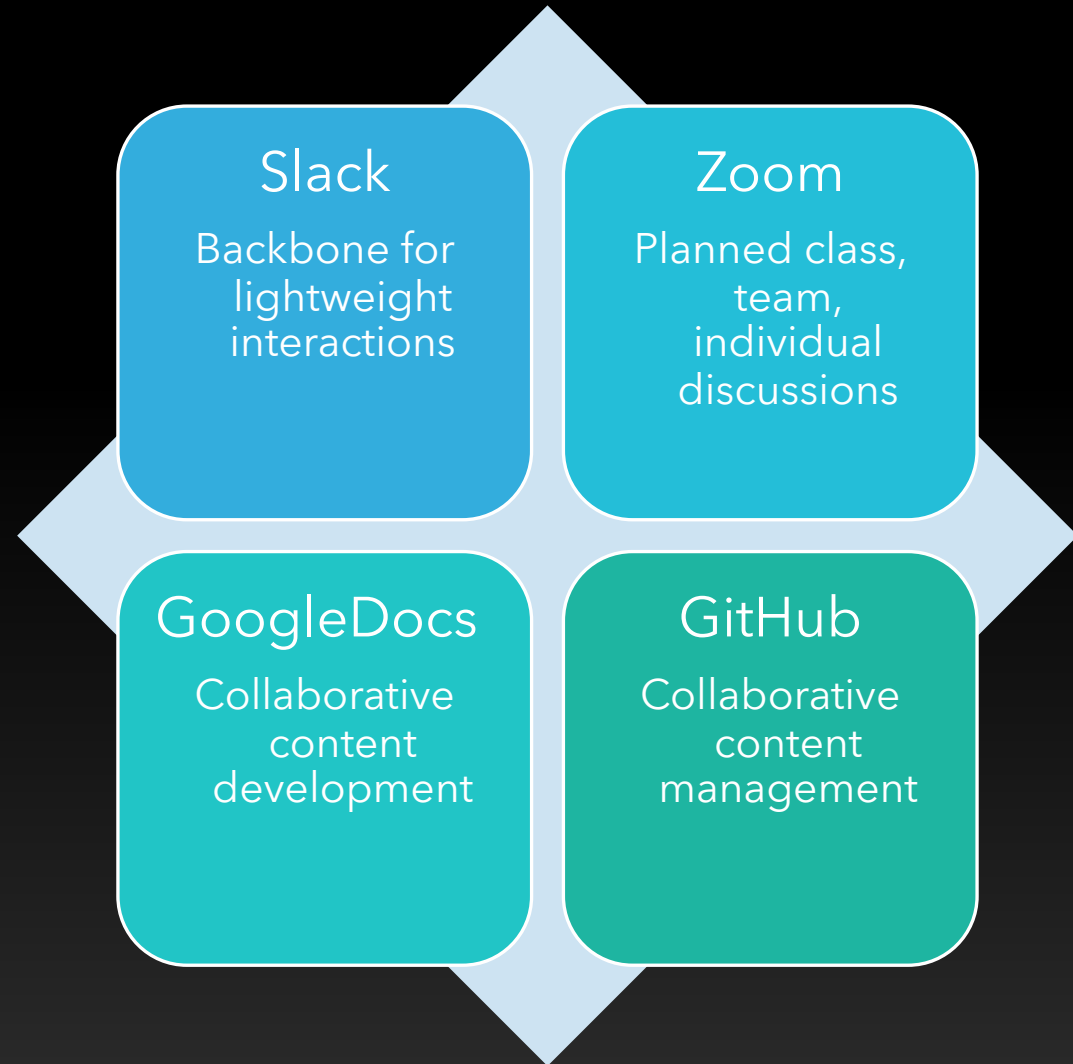
# Timeline: CS Knowledge Growth

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# Communication tools

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# Slack: Creating persistent presence



Enables a virtual team room experience



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



Monitor it regularly

# Expectations

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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



1

Be on time: We will start right way, most days

2

If comfortable, use your camera when remote and talking

3

Feel free to have your camera off, especially if it permits you to move around a bit

4

Be flexible with me, yourselves, others

# Class time protocols

# Resources

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<https://maherou.github.io/Teaching>

