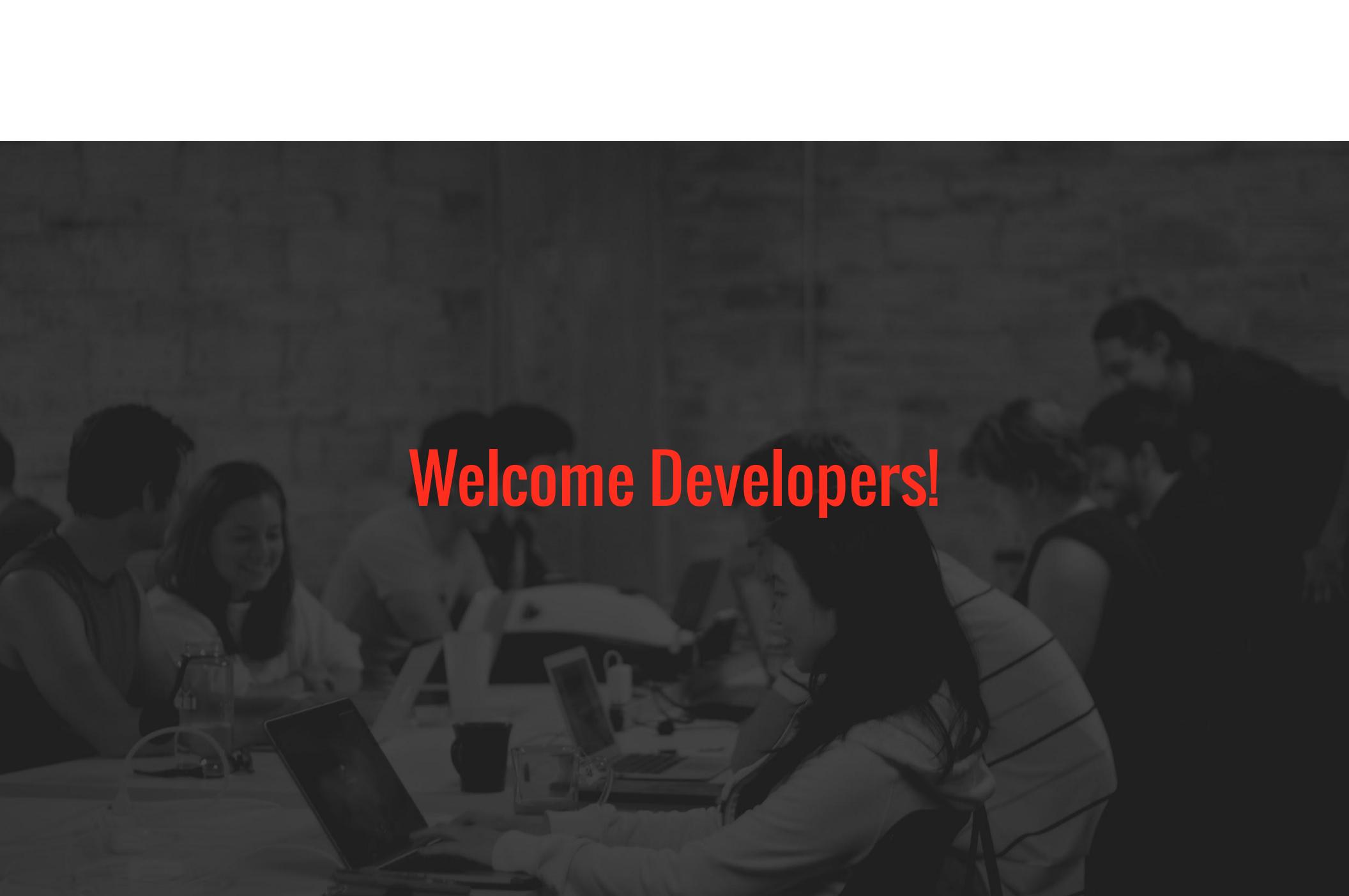




# CODE 201

# Foundations of Software Development

Day 1: Kickoff!

A black and white photograph showing a group of people in a workshop or classroom setting. Several individuals are seated around a long table, each working on a laptop computer. The scene is dimly lit, with most light coming from the screens of the laptops themselves. In the foreground, a woman with long dark hair is visible, looking down at her screen. Other people are blurred in the background, some appearing to be in conversation. The overall atmosphere is one of focused activity and collaboration.

Welcome Developers!



**Vision and Mission**  
**Introductions**  
**Campus**  
**Resources**  
**Policies and Practices**  
**Our Goals**  
**How To Learn**  
**How To Succeed**



# The Code Fellows Vision

Software development  
skills for a better  
life, for a better  
community, and for a  
better world.



# The Code Fellows Mission

We guide people from all backgrounds to change their lives through fast-paced, career-focused education. We shape passionate coders with immersive training to meet industry needs and improve diversity in the tech scene.



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# CAMPUS TEAM

Your campus resource



**Brandy Rhodes**  
Campus Director

Slack: @brandy



**Chris Harnios**  
Campus Coordinator

Slack: @chris.h

# INSTRUCTIONAL TEAM

Your new best friends



**Sam Hamm, PhD**  
**Lead Instructor**



**Bella Organ**  
**Teaching Assistant**



**Duncan Marsh**  
**Assistant Instructor**



**Benton Green**  
**Teaching Assistant**



**Vision and Mission**  
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# The Campus

- Door Codes
- Facility (WiFi, printers, conference rooms, phone closets, etc.)
- Classroom and Lab locations
- Food
- Kitchen
- Bathrooms

A black and white photograph of a classroom scene. Several students are seated at their desks, looking towards the front of the room. They are using laptops and some have glasses on the desks. The background is slightly blurred.

**Vision and Mission**  
**Introductions**  
**Campus**  
**Classroom**  
**Policies and Practices**  
**Our Goals**  
**How To Learn**  
**How To Succeed**



# Holiday Policy

Martin Luther King, Jr. Day

**President's Day: Feb 15th**

Labor Day

Memorial Day

Independence Day (4th of July)

Thanksgiving Day & Day after Thanksgiving

Christmas Eve through New Year's Day



# Pre-Work

- If you have not yet completed the pre-work listed in Canvas, complete it ASAP.
- Often pre-work involves installing new tools essential to our lectures and labs starting day one.



# Grading

- **90%** overall grade is required to pass this course
- 90% attendance required
- No assignment submissions during project week
- Instructor approval required



# Student Resources



- Canvas: Weekly modules, daily assignments, occasional quizzes.
- Daily Assignments: All work is done in a branch and submitted via Pull Request.
- Slack: Most reliable way to keep in touch with instructor(s) and TA's. Share files, code, gifs, emoticons and instant message your classmates.
- Video Recorded: All class sessions are posted to a private YouTube Channel.



We are on the journey of continuous improvement and constant iteration. Help us help you with your feedback and input.

We take the surveys seriously, and we will review the feedback every Monday to improve the class and improve your experience.  
...easy points!



# Expectations

- You should be able to write code from scratch for every concept and skill we cover.
  - Understand code in class, write code in lab.
  - Copying code to complete assignments will destroy your learning.
  - If you're not keeping up in class, we'll refund you per our refund policy and ask you to self-study or enroll in a lower-level course.



# Next Steps

- Mid-point visit from Director and Admissions
  - Enrollment for next course. Will I have a spot?
  - Should you take a break and self study?
  - What stack discipline should I learn?



**Vision and Mission**  
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# HONOR CODE

Honor. Truth. Integrity.

From the student handbook: “As members of the Code Fellows community, each of us upholds and supports a high standard of personal and community honesty and integrity. Therefore, each of us agrees to represent ourselves truthfully, claim only work that is our own, properly attribute collaborations, and engage honestly in all assignments...” [complete statement is in the handbook]



# DO NOT PLAGIARIZE

What does that mean?

## **plagiarize**

verb *pla·gia·rize* \ˈplā-jə-ˌrīz also -jē-ə-\

: to use the words or ideas of another person as if they were your own words or ideas

Source: <http://www.merriam-webster.com/dictionary/plagiarize>



# RESPECT EVERYONE

We're very serious about this.

Please view our [Code of Conduct](#)

We want an environment where every individual is safe and respected.

Harassment and discrimination will not be tolerated.

If you have concerns, please notify your instructor, campus director and/or email is at [conduct@codefellows.com](mailto:conduct@codefellows.com)



# OUR CULTURE

Quotes from Dave, our CEO:

“Feedback is a gift. You likely won’t get it after you leave here because companies and people find it difficult to be direct. We strive for direct, respectful, and professional honesty in our interactions.”

“No ‘brogrammer’ culture! For you as a student, your opportunity to get hired by a great company will mean you don’t get to do the ‘bro’ thing.”

“Radical Candor” video... the way feedback SHOULD be done.

<https://www.youtube.com/watch?v=4yODalLQ2IM>



A black and white photograph showing a group of people, mostly young adults, gathered around a long table in what appears to be a workshop or a collaborative workspace. They are focused on their work, with laptops, tablets, and papers open in front of them. The scene conveys a sense of teamwork and productivity.

# Our Goals

# Developer

This is your new title.

This is more like **work** than traditional classes.

Things **will** be **ambiguous** at times.

This course is:

- Non-traditional
- Practical
- Entrepreneurial



We are here to...  
help...  
coach...  
guide...  
connect dots...  
*and lastly*, instruct.

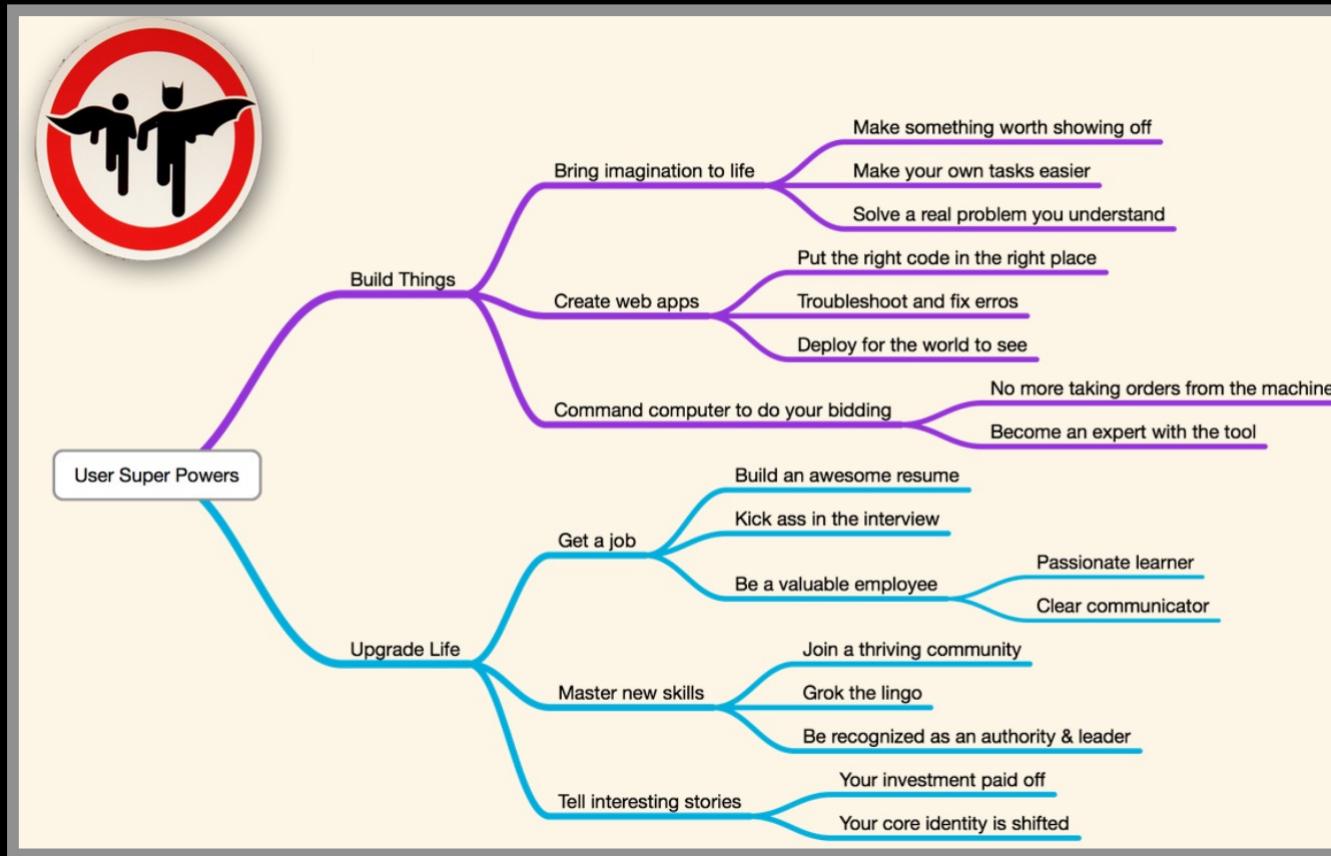
# THE STRUGGLE IS REAL....

If it were easy everyone would do it.



# SUPER POWERS

Really.



CODE FELLOWS

A black and white photograph of a group of people, mostly young adults, gathered around a table in what appears to be a study room or a library. They are all focused on their laptops, with one person in the foreground looking directly at the camera while holding a laptop. The scene is dimly lit, creating a focused and academic atmosphere.

# How To Learn

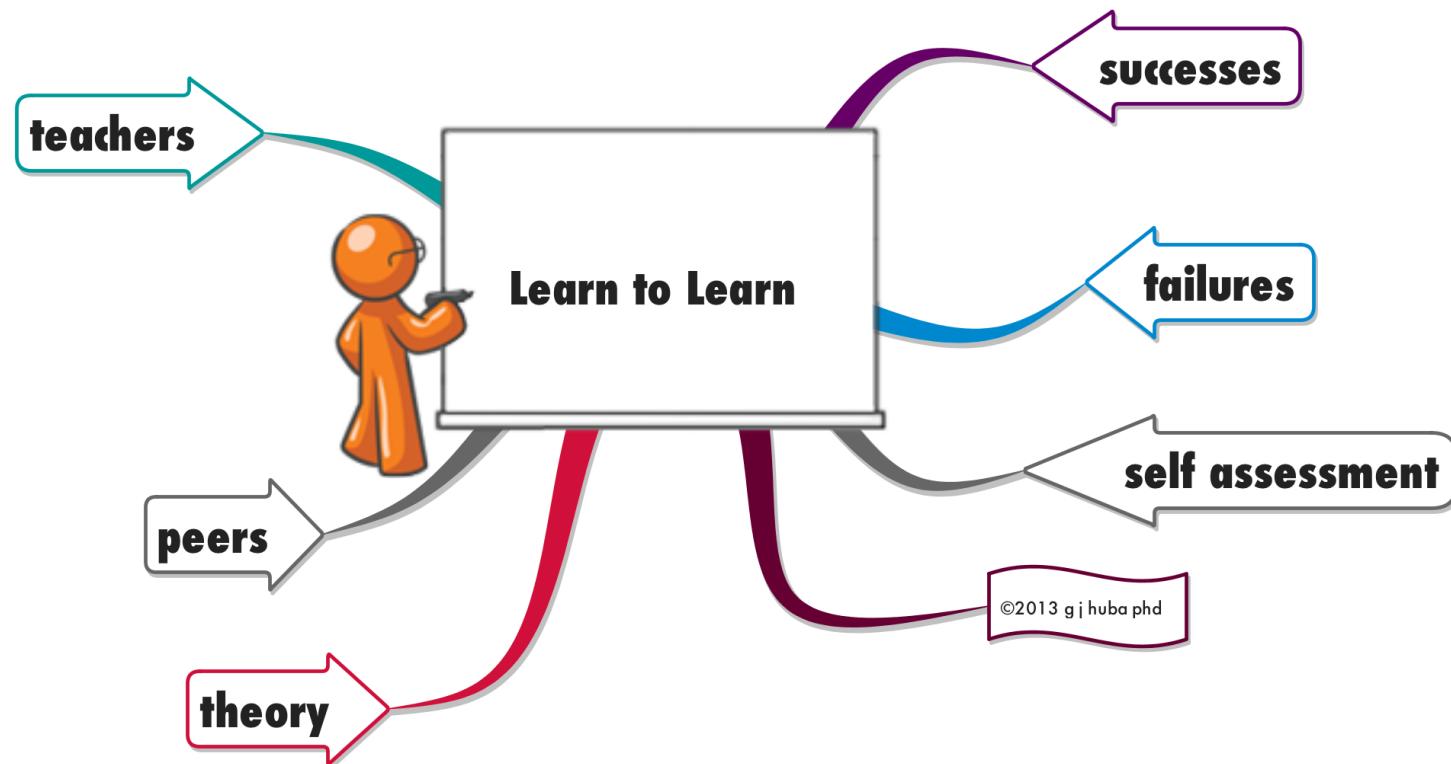
# Collaborative Learning

The gift that keeps on giving.



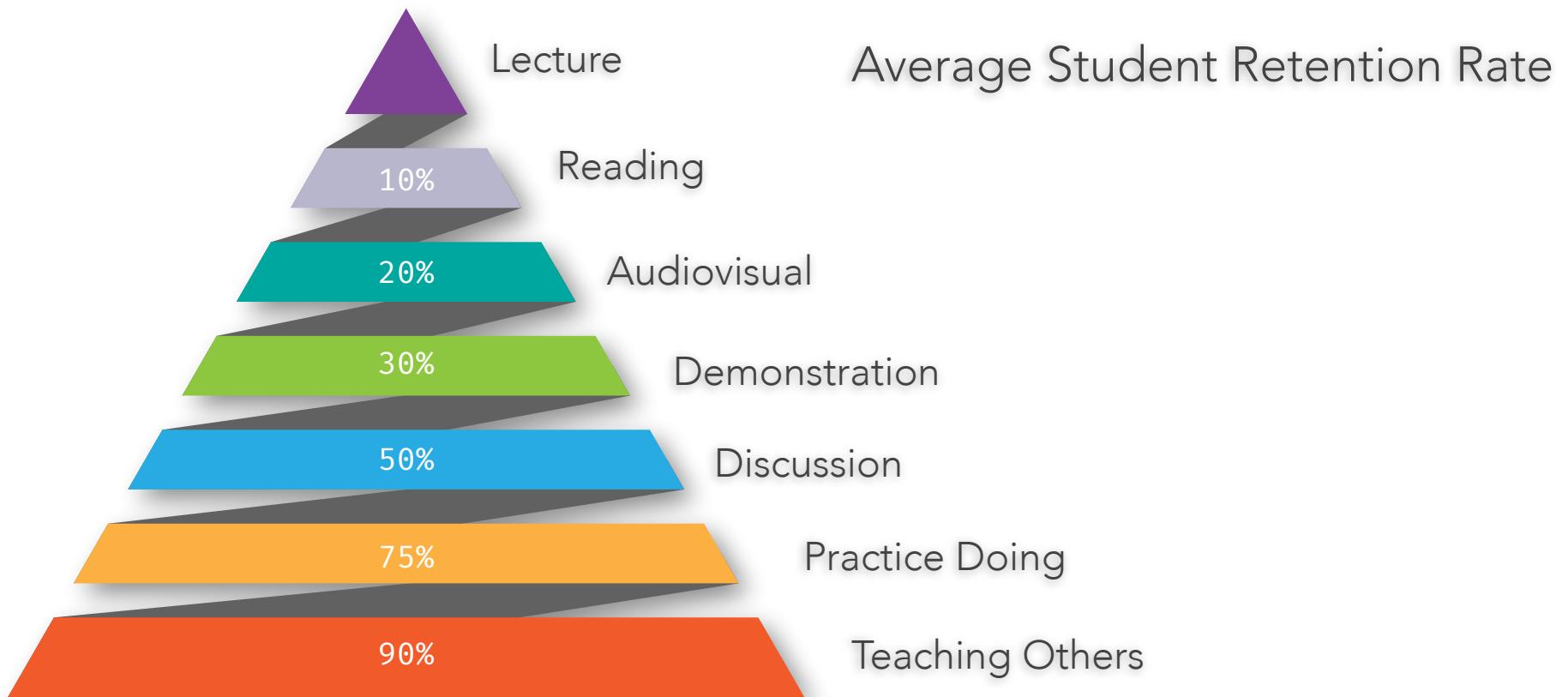
# LEARN TO LEARN

The gift that keeps on giving.



# HOW YOU LEARN MATTERS

It matters A LOT, actually.



# ANDRAGOGY

Adult learning is different. Very different.



...or What? So What? Now What?

# PATHS VS. SANBOXES

Paths get you to the sandboxes...

## PATHS

- SHAPE BEHAVIOR
- ARE GAMES TO BE PLAYED
- LEAD PEOPLE ALONG
- HAVE PREDICTABLE OUTCOMES
- ARE MEASURABLE
- DESIGN EVERY DETAIL
- ARE CONSUMPTIVE
- CREATE DEPENDENCY
- HAVE A CLEARLY DEFINED PURPOSE
- LEAD TO COMPLETION
- END IN AN EXCHANGE

## SANBOXES

- CREATE ENGAGEMENT
- ARE SPACES IN WHICH TO PLAY
- LET PEOPLE EXPLORE
- HAVE UNKNOWN OUTCOMES
- ARE OBSERVABLE
- UNDERSPECIFY THE DESIGN
- ARE GENERATIVE
- ENCOURAGE AUTONOMY
- PURPOSE IS SELF-DETERMINED
- LEAD TO UNDERSTANDING
- END IN LEARNING & DISCOVERY



CODE FELLOWS

15.

Fifteen. We mean it. Fifteen.



A black and white photograph showing a group of people, mostly young adults, gathered around a long table in what appears to be a workshop or a study session. They are focused on their work, with laptops, tablets, and papers open in front of them. The scene conveys a sense of teamwork and productivity.

# How To Succeed

# BE HEALTHFUL

Take care of yourself.



Sleep

Exercise

Connect



CODE FELLOWS

## BE CONFIDENT

This is going to be very challenging. Be ready. Be confident. You can.



# STUDENT INTRODUCTIONS

We want to get to know you!



Your challenge: you have **60** seconds... tell us...

- **Your background:** where from, what you've studied, where have you been that's affected you?
- What were you doing **before** coming to Code Fellows?
- What do you want to get out of your experience at **Code Fellows**?
- What do you plan to do **after** this class?
- AND... what is the **geekiest** thing about you???



# CODE 201

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