I'm Chris Gregg (cgregg@stanford.edu)
- Electrical Engineering undergrad Johns Hopkins, Master's of Education, Harvard, Ph.D. in Computer Engineering, University of Virginia
- Lecturer in CS, teaching CS 106B/X, CS 107/107E, CS208E, CS 110
- At Stanford since 2016, at Tufts prior, and high school teaching prior to that.
  - I taught high school physics (and a bit of CS) for about seven years
    - This gave me a lot of time in the classroom
  - I have taught college CS courses since graduate school
  - I have taught students aged 8 through 68
  - I love teaching, and can't think of a better job
What is this class all about?
- We will learn the nuts and bolts of teaching an introductory computer science course
  - Topics:
    - Introduction and Motivation to teach computer science
    - Know Your Students, Know Your Subject, Know Your Tools
    - Planning Your Course and Creating Awesome Assignments
    - Lectures
    - Grading
    - Online Resources
    - Observing Others Teach, and Reflecting on Your Own Teaching, and Handling Feedback
    - Staying Current on and Contributing to CS Education Research
    - Interaction with Students: Office Hours, Meetings, Advising, and Writing Recommendation Letters
    - Choose Your Battles, and Have Fun!
Lecture 01: Welcome to CS298: Teaching Introductory Computer Science

• Logistics
  ▪ The primary resource will be the class reader, *Your First Year Teaching Computer Science*.
  ▪ There will be weekly readings, and then class will be a mix of discussions and student presentations.
  ▪ The workload will be commensurate with a 1-unit seminar. I would like you to get some experience with developing course material, but you won't be designing an entire course.
  ▪ At the end of the seminar, you should have the tools you need to develop your own CS course.
Lecture 01: The First Day of Class

- Planning for the First Day of Class
  - You are all sitting in class right now, ready to learn.
  - But...what did I have to do to prepare for today?
  - Have you ever considered what a teacher has to do for the first day, the second day, or for the entire term?
Lecture 01: Motivation for Teaching Computer Science

- **Who motivated you?**
  - We all have favorite teachers in our past -- who was a favorite of yours, and what did they do that motivated you?
  - We also have teachers we didn't particularly enjoy -- why is that?

- **Why do you want to teach computer science?**
  - What is it about teaching that excites you?
  - What are you worried about?
  - What CS course(s) do you want to teach, and why?
Assignment 1 – Due Tuesday, April 8th, in class

- Write down a few paragraphs about your favorite teacher you've ever had.
  - Focus on what they did that made their class great
    - e.g., was it their organization? Was it their style? Were they funny? Were they thoughtful?
  - Write down some thoughts on what kind of teacher you want to be (or are already). How would you define your own style?
- If you can, reach out to that teacher to tell them how much you appreciate what they did for you!