



# CODE FELLOWS

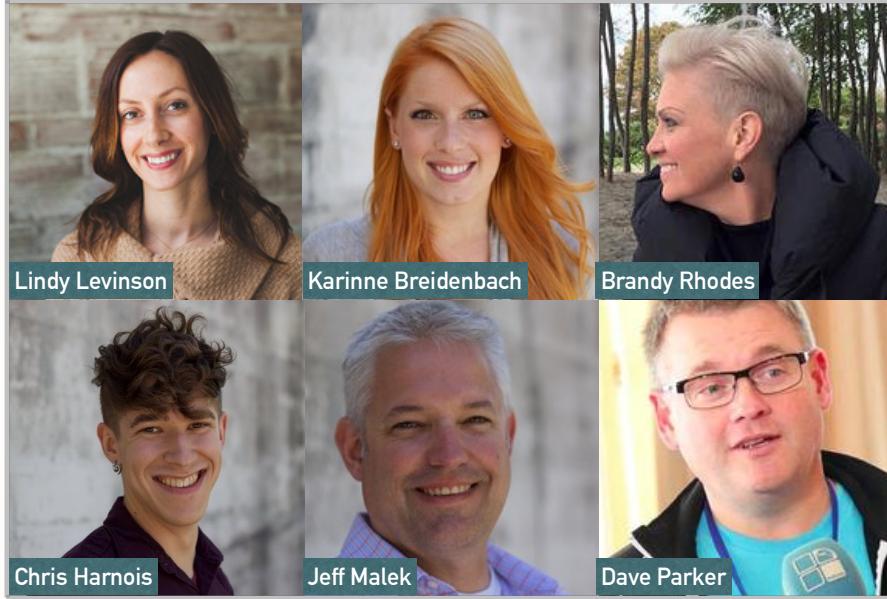
*Code 301: Intermediate Software Development*

Welcome to Code Fellows, where we believe that we can help you transform yourself, so that you can go forth and transform the tech industry, as the tech industry transforms the world.



## CODE 301 TEAM

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## CODE FELLOWS STAFF — SEATTLE

You've probably already chatted with Lindy or Karinne, our admissions team.

Brandy is our Campus Director, and Chris is our Campus Coordinator, they can help with any facilities questions you have.

Jeff is our COO, and Dave is our CEO. Please introduce yourself to them!

You'll see a number of other staff around, working to make this a great experience for all. Say hi!

And one more key introduction...

# **PLEASE MEET: YOU**

I'd like to introduce you to you.

# WEB DEVELOPER

It's official, you are a web developer. Not "budding", or "hopeful". You write code. You make web apps. I've seen it! Claim it with confidence.

## WEB DEVELOPERS ARE CONSTANTLY LEARNING

### 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



### Sandboxes:

- 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



You've embarked on a life-long journey of learning. Take advantage of both these styles. They each have their benefits and challenges. We'll provide you with opportunities for both, throughout this course.

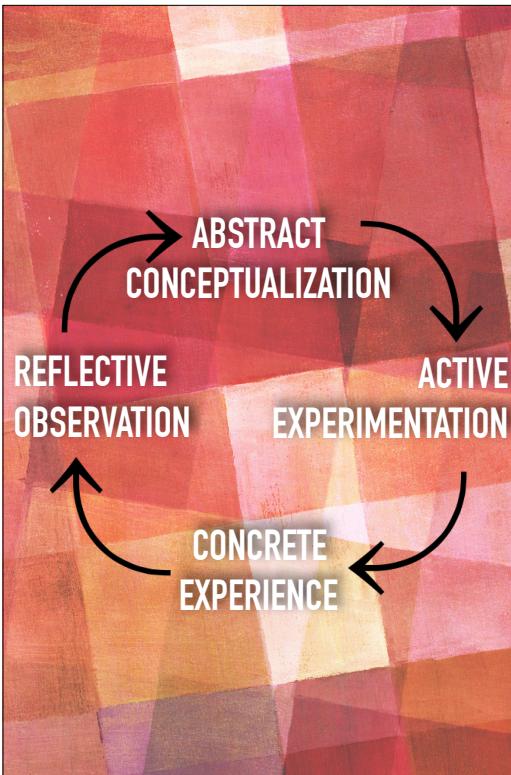
## DAILY SCHEDULE

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| 9am*-12pm  | 12pm-1pm  | 1pm-5pm  |
|--|---|--|
| Class<br> | Lunch<br> | Lab<br> |

*\*10am on Fridays*

Class times are in Canvas as well.



## THE ADULT LEARNING CYCLE

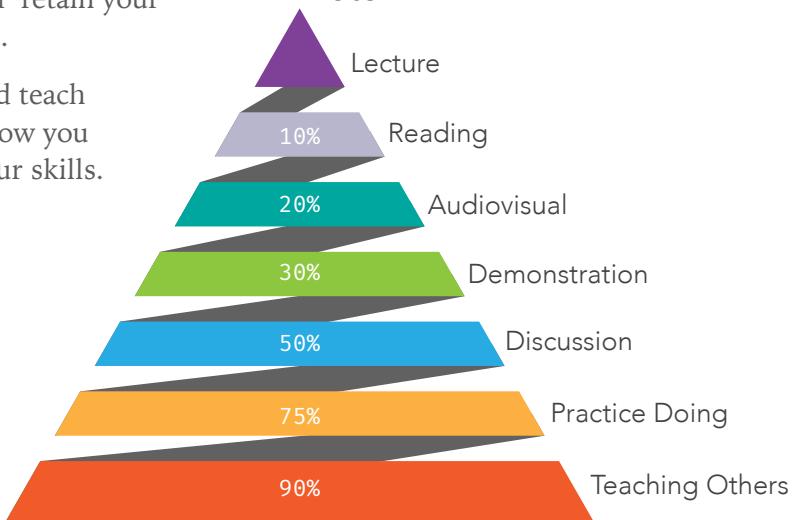
- From the top going clockwise:
  - The first exposure to a new concept.  
(lecture)
  - Trying out the concept in the specific scenarios.  
(examples/demos)
  - Working through a complete use case.  
(assignments/projects)
  - Reviewing progress.  
(code review/discussion)

You have opportunities to engage your learning across all parts of the learning cycle. This experience is designed so that your learning builds on previous experiences.

## DON'T FORGET

- The more you **apply** your knowledge, the more you'll retain your knowledge.
- To help and teach others is how you **master** your skills.

Average student retention rate:



Traditional teaching methods do not work for what we are trying to achieve.

This course is non-traditional. It's more like a supervised apprenticeship. We will guide and mentor you. You will practice, practice, practice code.

COLLABORATIVE LEARNING IS AWESOME!

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## HONOR CODE

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*As members of the Code Fellows community, each of us upholds and supports a high standard of personal, and community, honesty and integrity. We believe these values are critical to a community dedicated to learning, personal development, and a search for understanding. We consider them essential in promoting personal responsibility, moral and intellectual leadership, and pride in ourselves and our organization.* (excerpt)

- Please read, acknowledge, and sign the Code Fellows Honor Code.

As a Code Fellows student, you need to read and follow the Honor Code in your handbook. We expect integrity and honesty from you, in all you do during your time as a student here, and as you represent Code Fellows after you leave this course.

## PLAGIARISM

- Please collaborate!
- Make sure to give proper attribution to sources you draw from for your projects.
- “\_\_\_\_\_ helped with \_\_\_\_\_”
- Add it to your README, or a collab.md doc in your repo.
- Never copy and paste code.
- If you want to use someone else's snippet, RETYPE it, so you can learn it, and think about how it fits in with your existing code.



Naturally the honor code applies to what you submit as your own work. We operate with an “open source” mentality, and expect you to collaborate.

But you must specify your collaborations (“I did \_\_\_\_\_ with \_\_\_\_\_”).

Never copy/paste. It hurts your learning in many ways.

We have manual and automated checks for duplicate submissions. If you don’t give proper attribution, then the consequences can include 0-credit assignments, or even removal from the course.

## CODE OF CONDUCT

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- We want an environment where every individual is safe and respected.
- Harassment and discrimination will not be tolerated.
- If you have concerns, please notify a member of the Code Fellows team.
- Read the full Code of Conduct:
  - [https://github.com/  
codefellows/code-of-conduct](https://github.com/codefellows/code-of-conduct)



Please speak up if you see a situation that developing. This applies to race, creed, orientation, and preferences, but also age, background, and skill level. We welcome all, we encourage all, we support all.

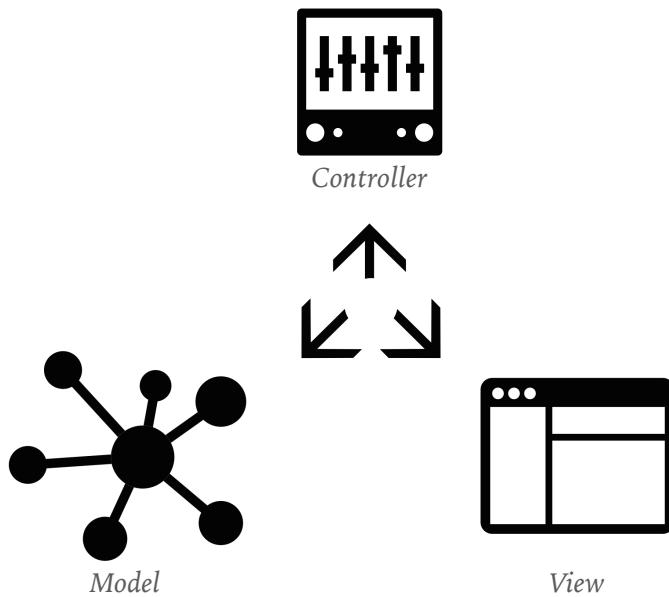


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Success in a diverse classroom comes from a balance of student self-awareness and community acceptance of others.

*Beth Morrow*

## CODE 301 STRUCTURE: MVC



In Code 301, we will use agile methods to build a client-side MVC blogging app. We'll talk more about these terms later today, but at a high level, this is how the course is organized:

Week 1: View — The web is a highly visual medium

Week 2: Model — Data is at the heart of all apps

Week 3: Controller — Managing interactions helps apps scale

Week 4: Build your own, in Project Week!

## BUILD A BLOG

- Your demonstration of expertise
- A classic dev endeavor!
- All client-side
- MVC abstractions
- Mobile responsive!

# Kilovolt Blog!



The shocking power of static pages

Home

About

Twitter

GitHub

-- Filter by Authors --

-- Filter by Categories --

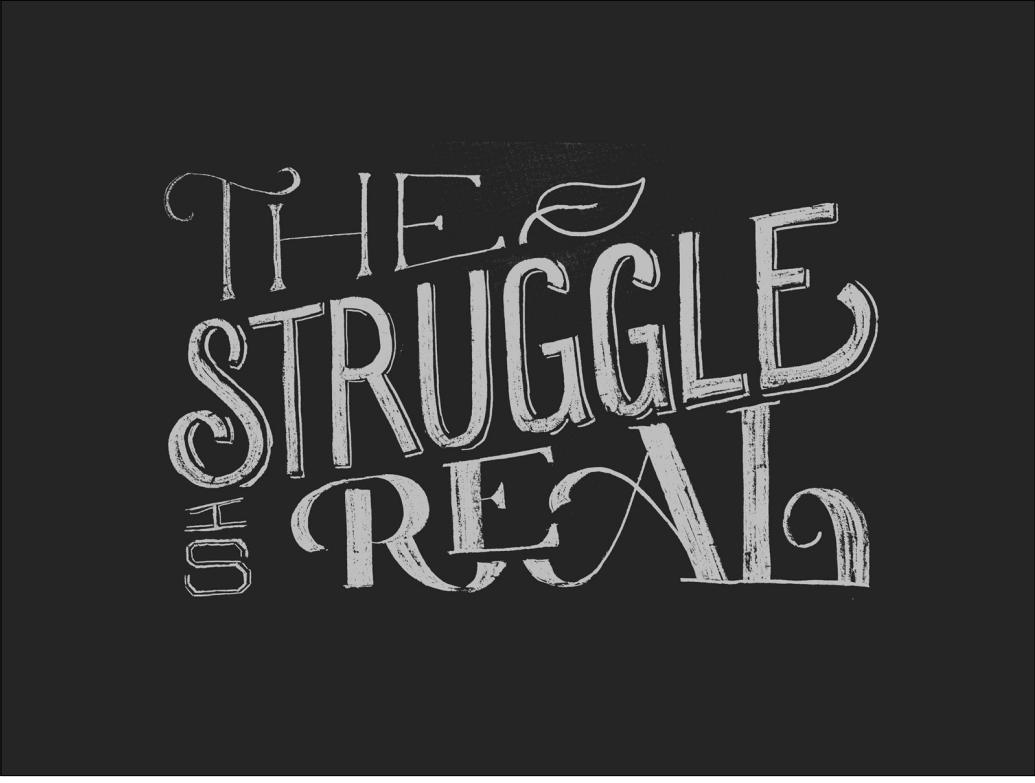
## Overriding Wireless Solid state Hard drive Drivers

By Roman Wiegand published 1212 days ago

We will use agile methods to build a client-side MVC blogging app.

## CODE 301 STRUCTURE: MVC

| Week 1: View    | Week 2: Model          | Week 3: Controller | Week 4: Projects |
|-----------------|------------------------|--------------------|------------------|
| jQuery — DOM    | AJAX & JSON            | Routing            | Team Project     |
| jQuery — Events | Functional Programming | Managing State     | Team Project     |
| RWD             | SQL                    | REST & APIs        | Team Project     |
| Templates       | Joins & Relations      | Beyond MVC         | Team Project     |
| Pair Project    | Pair Project           | Team Project       | Presentations!   |



THE  
STRUGGLE  
IS REAL

This will be hard. Many have reported this is the hardest thing they've ever done in their lives.



## RISE TO YOUR CHALLENGE

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- Everyone learns at different rates. Don't compare yourself to others.
- This program is designed to be **intense**.
- Adjust your expectations and understand that frustrations will come and go, as will small victories.

## *GRADING*

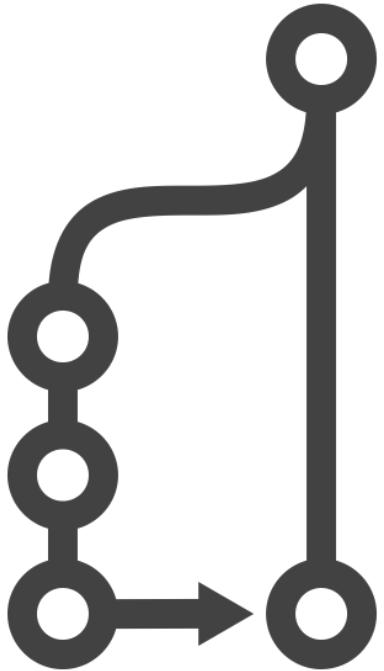
- A 90% overall grade is required to pass this course.
- Penalty for late work:
  - Stress
  - Dissonance
- No assignment submissions during project week
- 90% attendance required.



Keep up with assignments, so you can make the most of each day's discussion!

Let's talk about Canvas.

Demo: Modules, Calendar, Time Zone



## TURNING IN WORK

- You will create repositories on GitHub for assignments and projects.
- All work is done in a branch.
- When complete, make a Pull Request to master.
- On Canvas, you will turn in a link to the Pull Request that corresponds to the assignment.

Daily assignments will be submitted via Pull Request.

## CANVAS: MODULES

- ⋮ ▾ Week 1
- ⋮ Class 1
  - ⋮ Read: JS & jQ 293-325
  - ⋮ Code: Class 01 Assignment
  - ⋮ Bonus: Class 01 Extra Credit Path Assignment
- ⋮ Class 2
  - ⋮ Read: JS & jQ pp 326-366
  - ⋮ Code: Class 02 Assignment
  - ⋮ Review: Quiz I
  - ⋮ Bonus: Class 02 Extra Credit Design Path
- ⋮ Class 3
  - ⋮ Read: Shay Howe's Intro and Dale Sande's Intro
  - ⋮ Code: Class 03 Assignment
  - ⋮ Bonus: Class 03 Extra Credit Responsive Layouts

Weekly modules, daily assignments, occasional quizzes.

## CANVAS: CALENDAR

| MON  | TUE   | WED  | THU  | FRI  |
|--|---|--|--|--|
| 30<br>8:59a Read: JS & jQ 293-3;<br>9a Class Time<br>Bonus: Class 01 Extra Credit<br>Code: Class 01 Assignment<br>Discuss: TBD | 1<br>9a Class Time<br>8:59p Read: JS & jQ pp 321<br>Bonus: Class 02 Extra Credit<br>Code: Class 02 Assignment<br>Review: Quiz I | 2<br>9a Class Time<br>8:59p Read: Shay Howe's I<br>Bonus: Class 03 Extra Credit<br>Code: Class 03 Assignment | 3<br>9a Class Time<br>8:59p Read: Handlebars and<br>Bonus: Class 04 Extra Credit<br>Code: Class 04 Assignment<br>Review: Quiz II | 4<br>10a Class Time<br>Bonus: Class 05 Extra Credit<br>Class 05 Read: TBD<br>Code: Class 05 Pair Project<br>Feedback: Week 1 |
| 7<br>9a Class Time<br>8:59p Read: JS & jQ pp 36<br>Bonus: Class 06: Intro to A<br>Code: Class 06 Assignment                    | 8<br>9a Class Time<br>8:59p Read: JS & jQ pp 53!<br>Code: Class 07 Assignment<br>Review: Quiz III                               | 9<br>9a Class Time<br>Code: Class 08 Assignment<br>Read: Class 08 TBD  | 10<br>9a Class Time<br>8:59p Read: Class 09 TBD<br>Code: Class 09 Assignment<br>Review: Quiz IV                                  | 11<br>10a Class Time<br>8:59p Read: Class 10 TBD<br>Code: Class 10 Pair Project<br>Feedback: Week 2                          |
| 14<br>9a Class Time<br>8:59p Read: Class 11 TBD<br>Code: Class 11 Assignment   | 15<br>9a Class Time<br>8:59p Read: Class 12 TBD<br>Code: Class 12 Assignment<br>Review: Quiz V                                  | 16<br>9a Class Time<br>8:59p Read: Class 13 TBD<br>Code: Class 13 Assignment                                 | 17<br>9a Class Time<br>8:59p Read: Class 14 TBD<br>Code: Class 14 Assignment<br>Review: Final Quiz                               | 18<br>10a Class Time<br>8:59p Read: Class 15 TBD<br>Feedback: Week 3   |

Weekly modules, daily assignments, occasional quizzes.

## CANVAS: SETTINGS



### Brook Riggio's Settings

Full Name:\*

Brook Riggio

This name will be used for grading.

Display Name:

Brook Riggio

People will see this name in discussions, messages and

Sortable Name:

Riggio, Brook

This name appears in sorted lists.

Default Email:

brook@codefellows.com

Language:

System Default (English (US))

This will override any browser or account settings.

Time Zone:

Pacific Time (US & Canada) (-)

Be sure to configure your Time Zone!!

Add a picture of your lovely face. Not your cat. Not you sitting on a rock. Your face. Use the same one in Slack.

# SURVEYS

改善

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

Kaizen: Continuous improvement. Constant iteration. Better and better, bit by bit.

## FACILITIES

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- Door codes
- Classroom/Lab location
- WiFi
- Kitchen
- Bathrooms



## OUR FAVORITE LUNCH SPOTS

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1. <http://j.mp/CF-peach>
2. Xplosive Food Truck
3. Tacos El Tajin Truck
4. Wurst Place
5. 314PIE Truck
6. GFF: Quinoa Bowls



Get a different delicious lunch delivered every day, [from Peach!](#)

Or check out the great food trucks in the area.

Veggie Grill is right around the corner, for vegetarians/vegans.

## STAYING ALIVE

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- Maintain balance.
- Stay connected to support networks.
- If you neglect sleep, your focus and ability to retain knowledge will suffer.



# ICEBREAKER

For a big class, go around the room, and have everyone share in less than 60 seconds:

- Your name
- Teach us a way to remember your name
- Why you are here in 3 words. Find the why behind the why behind the why.

## RESOURCES AND ATTRIBUTIONS

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- <http://www.doctorpreneurs.com/wp-content/uploads/2015/08/Learning-Pyramid-synap.jpg> (with improvements by Dexter Lesaca)
- <https://row2row.files.wordpress.com/2015/06/struggle1920x12001.jpg>
- <https://en.wikipedia.org/wiki/Kaizen>
- Vectors from nounproject.com created by: Richard Slater, Pham Thi Dieu Linh, DesignNex, Hannah Strobel, Steve Morris, Dmitry Mirolyubov, Alex Fuller, Alexander, Renee Ramsey-Passmore, and Creative Stall.
- Stephen Anderson - From Paths to Sandboxes: <https://vimeo.com/110333993>