

ARCH A4988

# Coding for Spatial Practices



<Hello World>

# Welcome & Introductions

# Celeste Layne



Adjunct Professor,  
Columbia University

Urban planner by training — software engineer by profession. As an educator, I've developed curricula for General Assembly's *Software Engineering Immersive*. Now, leading courses in *web development*, *user interface design* and more at Columbia.

# Introduce Yourself

Let's spend a few minutes getting to know each other:

1. What is your name?
2. Why are you taking this class?
3. What do you hope to learn?
4. Fun fact!

# Discuss Syllabus

# Syllabus

01	09/03	Hello World	
02	09/10	HTML Basics . . . . .	Project 01
03	09/17	Visual Information Design	
04	09/24	CSS Basics	
05	10/01	Color, Type & Gestalt. . . . .	Project 02
06	10/08	Layout & Grids	
07	10/15	Flexbox	
08	10/22	Responsive Web Design	
09	10/29	Animations & Transitions . . . . .	Project 03
10	11/05	<i>NO CLASS // ELECTION DAY</i>	
11	11/12	Designing Interactions	
12	11/19	Coding Interactions	
13	11/26	<i>Last Day of Architecture Classes</i>	

# House Rules

# Classroom Culture

- This is an open, safe environment.
- Keep criticism positive and constructive.
- Take ownership of your experience.
- Check your ego at the door.
- Channel empathy.
- Don't compare yourself to others, compare yourself to who you were yesterday.
- You get back what you put in.



# Past Semesters

## FILTERS

ITALY

GERMANY

USA

ENGLAND

AUSTRIA

FINLAND

DENMARK

WOOD

METAL

GLASS

PLASTIC

FABRIC

## SORT

BY YEAR (ASCENDING)

BY YEAR (DESCENDING)

## CHAIRS

### Herringbones Chair

2016  
England  
Raw Edges



### Dehmel Chair

1903  
Germany

### Grano

1975  
Italy  
Alessandro Mendini



### Chair Soft Cell

1998  
Germany

### Golgotha

1972  
Italy  
Gaetano Pesce



### S-Chair

1956  
Denmark

### Etruscan Chair

1984  
England  
Danny Lane



### Kramer Chair

1927  
Germany

# I AM AN AVID COLLECTOR OF MUSIC MEMORABILIA

I have always had a keen interest in vintage things, but my love for music and vintage objects came together in an obsession with music tee shirts from across the ages. Explore the history of these historic bands, and see for yourself how the art of the 'band tee' has evolved through the years!

[2020's](#)[2010's](#)[2000's](#)[1990's](#)[1980's](#)[1970's](#)[All](#)  
Search[Oldest](#)[Newest](#)

## 2010 'BON IVER, BON IVER' TOUR

2010's  
Bon Iver



## 2020 '1' TOUR

2010's  
Bon Iver



## 2014 '22, A MILLION' TOUR

2010's  
Bon Iver



## 2007 'FOR EMMA FOREVER AGO' TOUR

2000's  
Bon Iver



filters

transportation

communication

sanitation

construction

consumption

all

OBJECTS OF NYC

MTA bus ticket machine

transportation



LIRR ticket machine

transportation



no thru traffic sign

transportation



traffic barrier

construction



mailbox

communication



wet floor sign

sanitation



cylindrical street blocker

transportation



slender traffic blocker

transportation

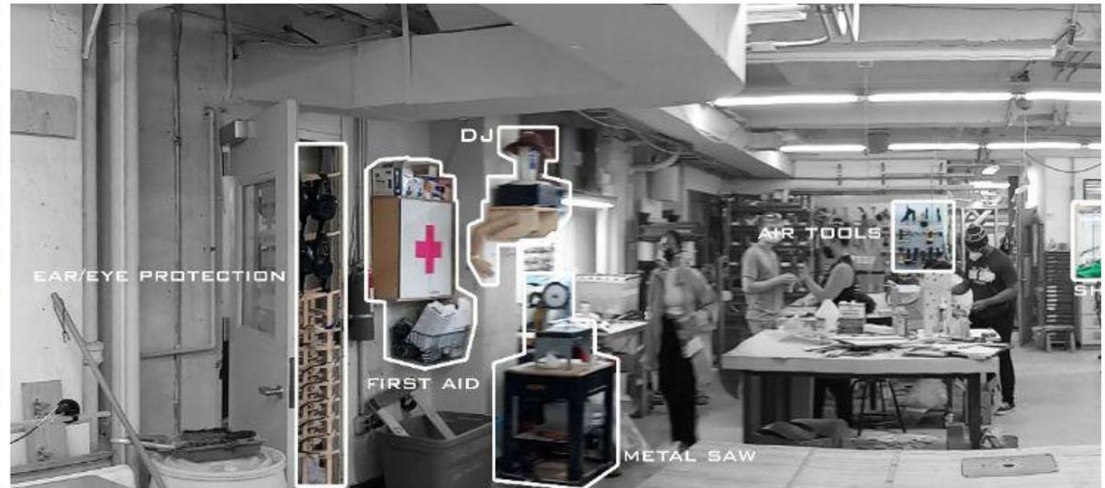
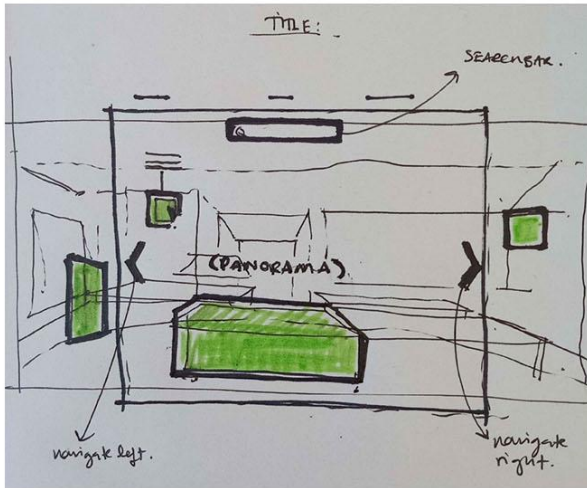


fire hydrant

sanitation



## CATALOG : SHOP



An image map of the GSAPP Making Studio's Shop

## PAINT & PLAY



Got a used shipping box?

**Start Making >>>**

©2020-2021 Yoon Jang

## Project Gallery







HOME

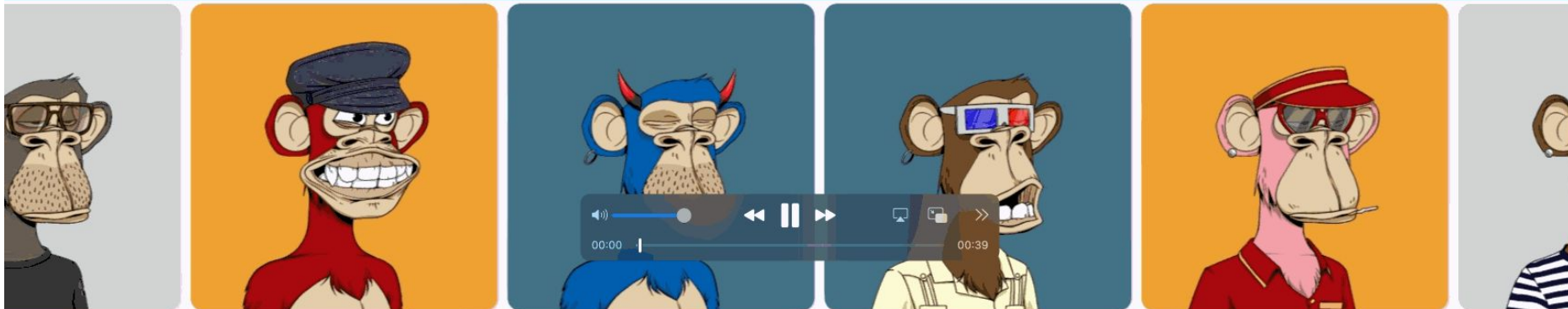
GALLERY

ABOUT



The CryptoPunks are 10,000

The Bored Ape Yacht



Each Bored Ape Yacht



# CERAMICS AFICIONADO

Exhibit By

Artists

| Gareth Mason  
| Yunfei Zhang  
| Zheyuan Feng

Shapes

| bottle  
| cup&plate  
| bowl&pot

Colors

| warm  
| cold  
| mix

ALL

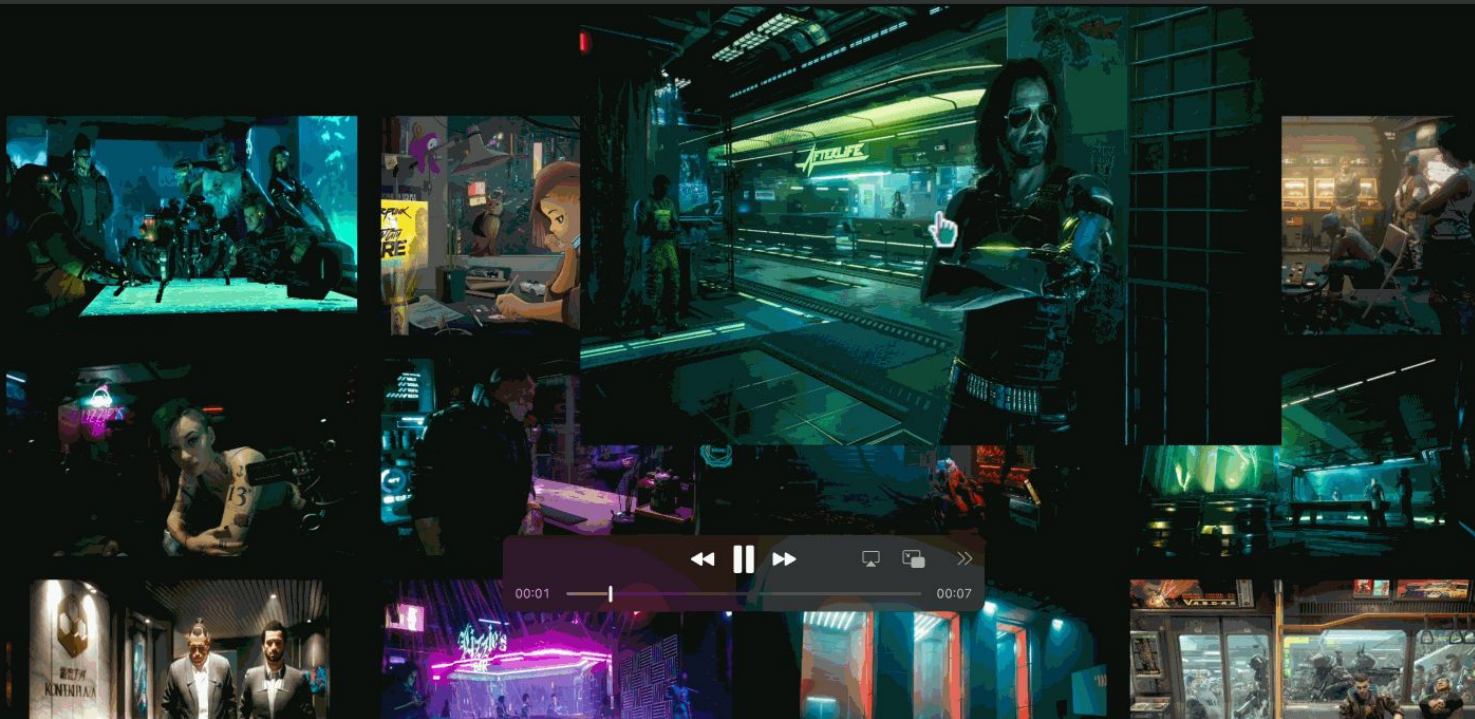
Drag to Design Your Own Catagory



Yunfei Zhang  
Vessel of the Body, 2022  
48.0 x 15.0 x 18.0 cm  
High white mud, copper glaze

# Architecture in the Cyberpunk 2077

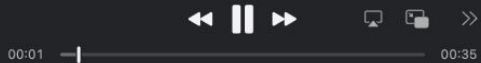
Move your mouse over the images to enlarge them



thanks for signing my  
number up for your  
awful politics, greg



(click anywhere to load messages to greg)



# Introduction to Coding Tools

# In-Class Platforms

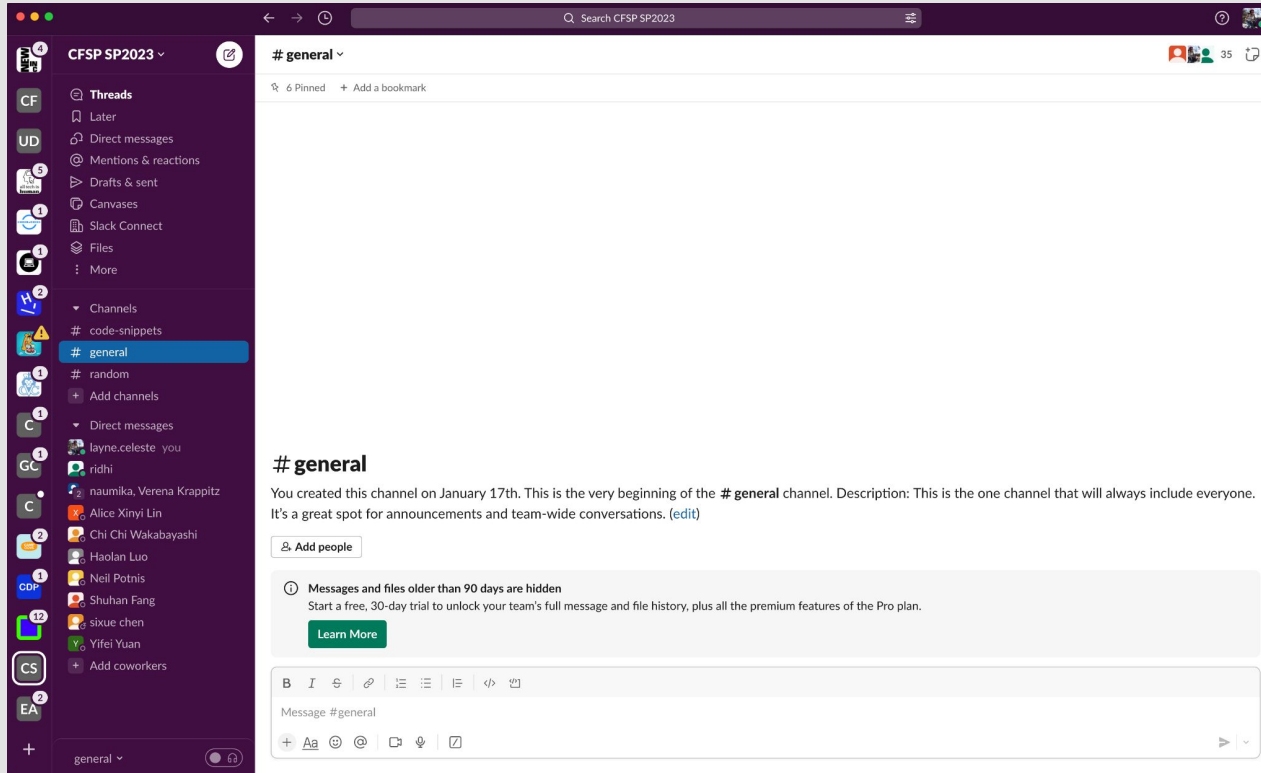
The screenshot shows a Google Drive interface. The left sidebar contains a 'My Drive' section with a list of folders: 'FA-2021-Coding-for-Spatial Practices', 'FA-2023-Coding-for-Spatial Practices', 'Smorgasbord', 'SP-2021-Coding-for-Spatial Practices', 'SP-2022-Coding-for-Spatial Practices' (highlighted), 'SP-2023-Coding-for-Spatial Practices', 'SU-2022-Computational Design', 'SU-2023-Computational Design', and 'User-Interface-Design'. Below this is a 'Shared with me' section and a 'Storage' section showing '6.5 GB used'.

The main content area shows the 'SP-2022-Coding-for-Spatial Practices' folder. It contains a table of files and folders. The table has columns for 'Name', 'Owner', 'Last modified', and 'File size'. The files are listed as follows:

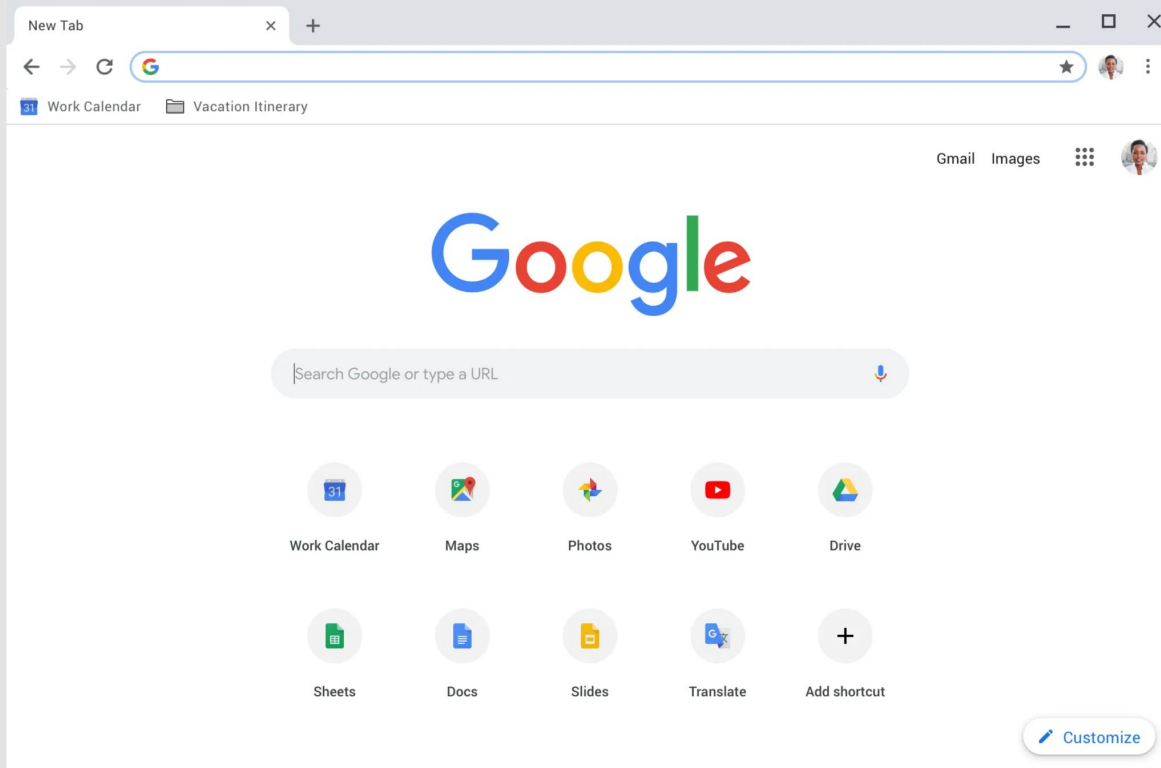
Name	Owner	Last modified	File size
CODING_FOR_SPATIAL_PRACTICES_STUDENTS	me	Feb 22, 2022	me
Projects and Exercises	me	Jan 3, 2022	me
Resources	me	Jan 3, 2022	me
Week-01 Hello World	me	Jan 3, 2022	me
Week-02 HTML Basics	me	Jan 3, 2022	me
Week-03 CSS Basics	me	Jan 3, 2022	me
Week-04 Layout Basics	me	Jan 3, 2022	me
Week-05 Responsive Web	me	Jan 3, 2022	me
Week-06 Motion Basics	me	Jan 3, 2022	me
Week-07 JavaScript Basics	me	Jan 3, 2022	me
Week-08 DOM Manipulation	me	Jan 3, 2022	me
Week-10-Functions	me	Mar 20, 2022	me
Week-11	me	Mar 20, 2022	me
Week-12	me	Mar 20, 2022	me
ARCH A4988 People Page	me	Jan 3, 2022	me



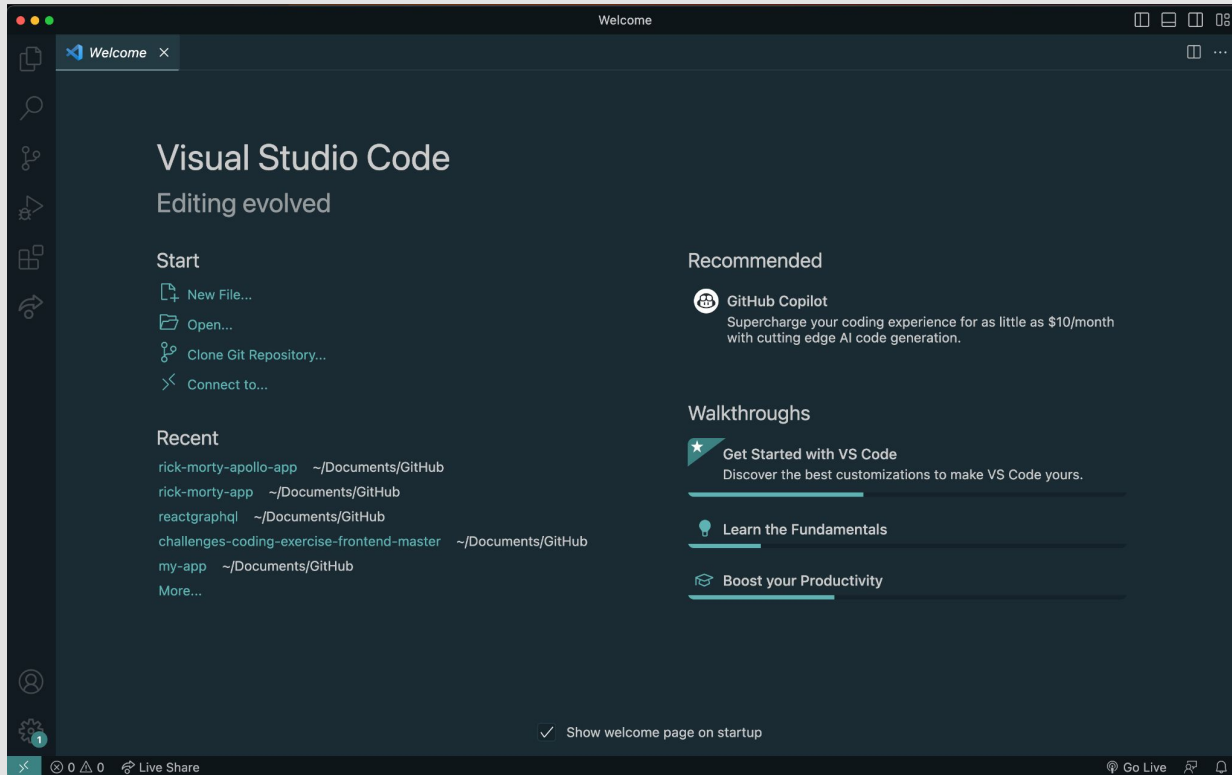
# In-Class Platforms



# Web Browsers

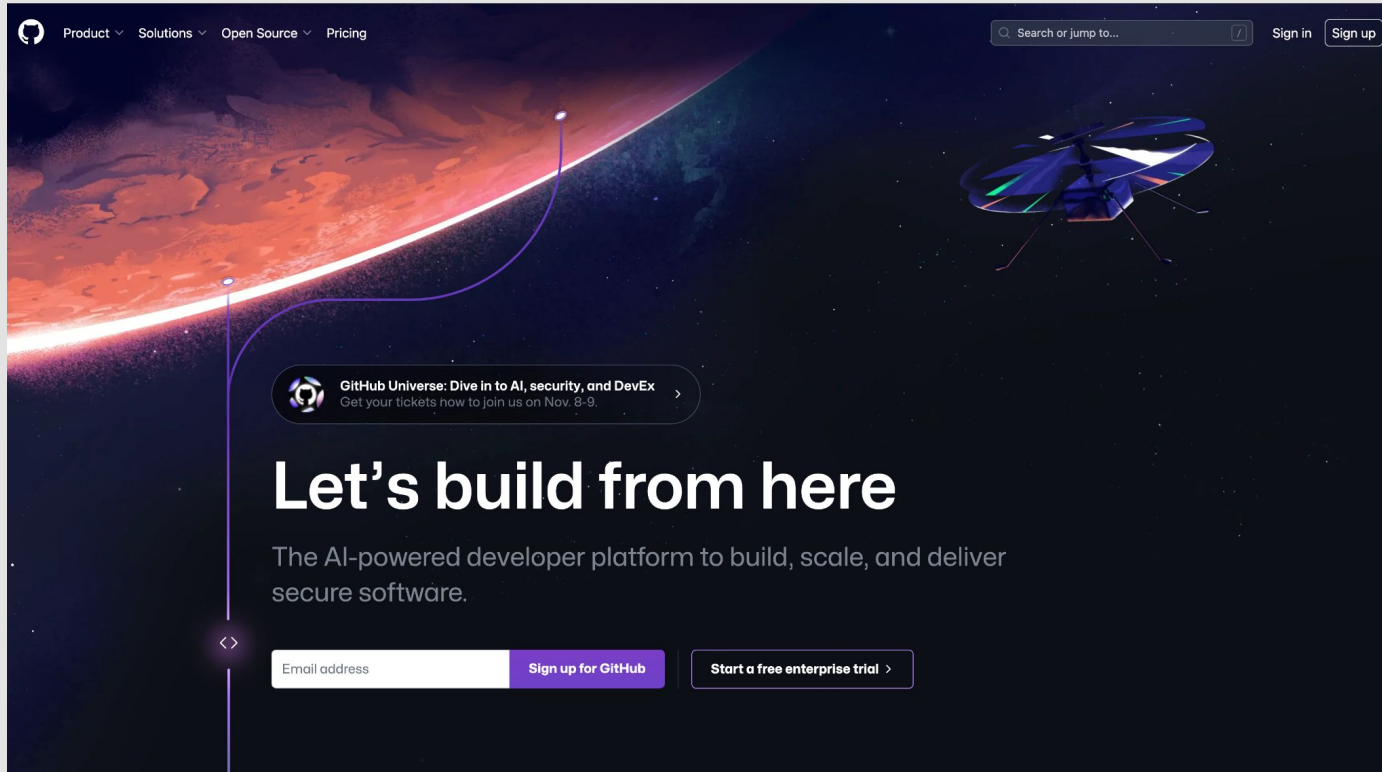


# Code Editors

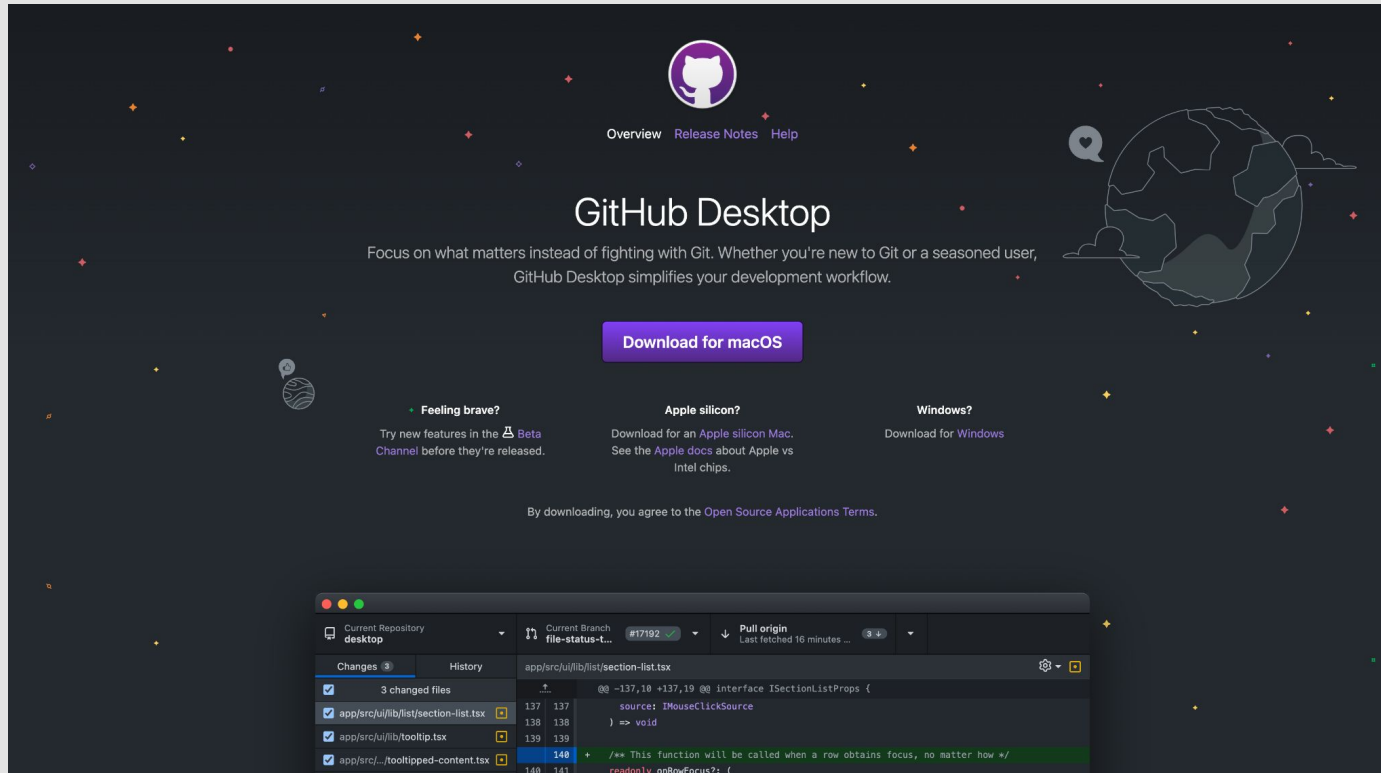




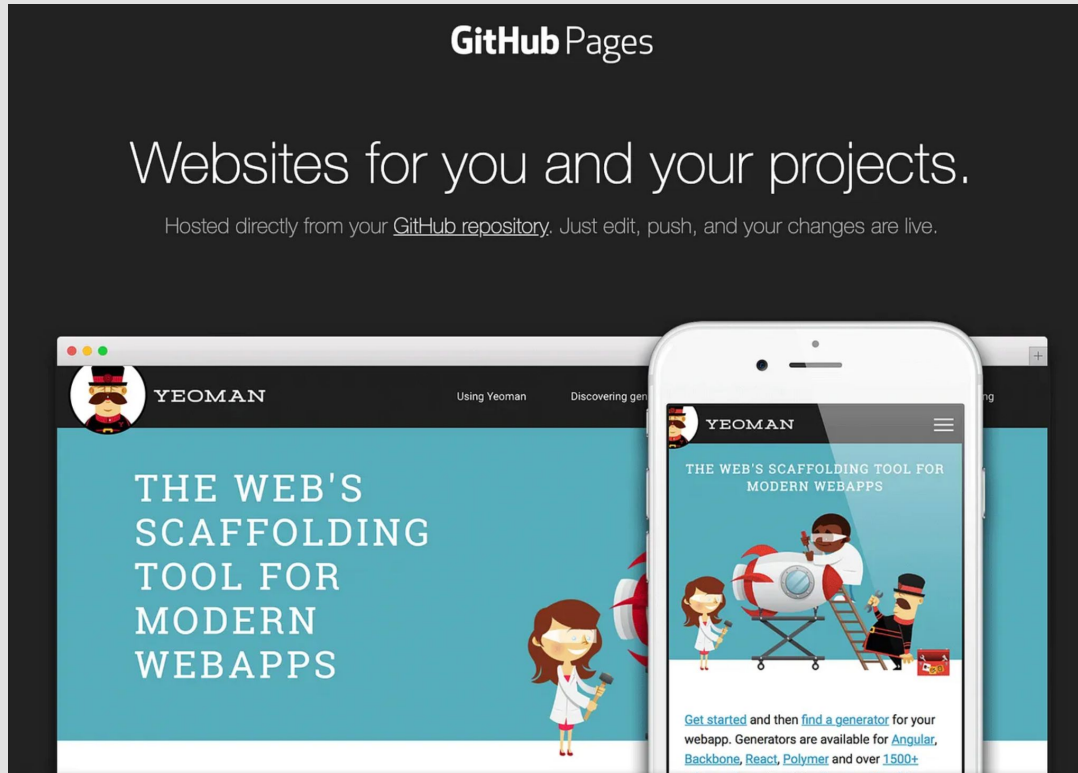
# Version Control & Web Hosting



# Version Control & Web Hosting



# Version Control & Web Hosting



**Apply to Enroll**

# Fill Out Google Form

CLICK  
HERE

## ARCH-A4988 Coding for Spatial Practices

cl2754@columbia.edu [Switch account](#)

Not shared

\* Indicates required question

Email Address \*

Your answer

How do you like to be called? \*

Your answer

Which GSAPP Program are you in? \*

Choose

Year \*

Choose

Tools You've Used Before: \*

Not familiar   Tried a few   Not too sure   Very familiar and

