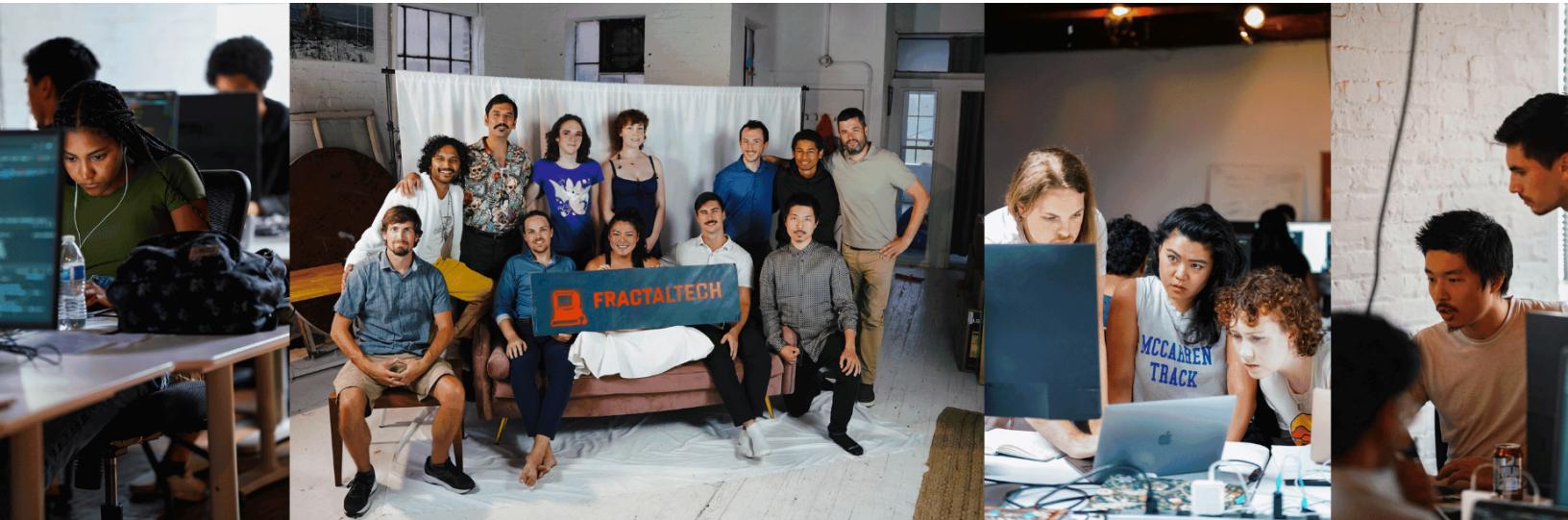


Fractal Bootcamp

Summer 2025 Cohort

The README



<https://fractalbootcamp.com/>

First Day

On June 2nd, you'll arrive at [Fractal Tech Hub](#) at 8:30 AM

You'll go up the stairs, grab a coffee & find someone to say hi to

This is approximately what your first day will look like

Time	Event	Location	Notes
08:30 - 09:00	Arrival & Social Hour	Lounge, Foyer	Coffee, name-tag pickup, light networking
09:00 - 09:30	Welcome to Fractal Bootcamp	Lounge	Program overview & logistics
09:30 - 10:00	Culture & Ethos	Lounge	Fractal values, curriculum hackability
10:00 - 10:30	Expectations & Structure	Lounge	Success rubric, self-evaluation cycle
10:30 - 11:00	First Coding Lecture	Lounge	Building a game
11:00 - 12:00	Hands-On Sprint 1	Main hall	Repos set-up, 1st PR before lunch!
12:00 - 13:15	Mixer + Lunch	Lounge	Google doc mixer
13:15 - 18:00	Hands-On Sprint 2	Main hall	2nd & 3rd PRs + working app before 6pm
18:00 - 20:00	Group Dinner	Off-site	Casual meal · pre-mortem on potential risks
20:00 - ????	Optional Social	TBA	Unwind–board-games / dessert spot

Your Instructors



Andrew Rose

Founder, [Fractal](#) + [Fractal University](#)

Previously: Founder of [Qrono](#), founding engineer at [Culdesac](#), and Interim Head of School at [Guidepost Montessori at Museum Mile](#)

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Previously: Staff Software Engineer @ OP Labs, Chainalysis; Senior Software Engineer @ World

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Advisors



Jake Zegil

Advisor, Fractal Bootcamp

Founder, Fractal Tech & [Medspa Receptionist](#)

Previously: Director of Engineering at [Tenet](#)



Priya Rose

Advisor, Fractal Bootcamp

Founder, [Fractal](#) + [Fractal University](#)

Previously: Founder of [Orono](#), founding engineer @ [AirGarage](#)

The Space

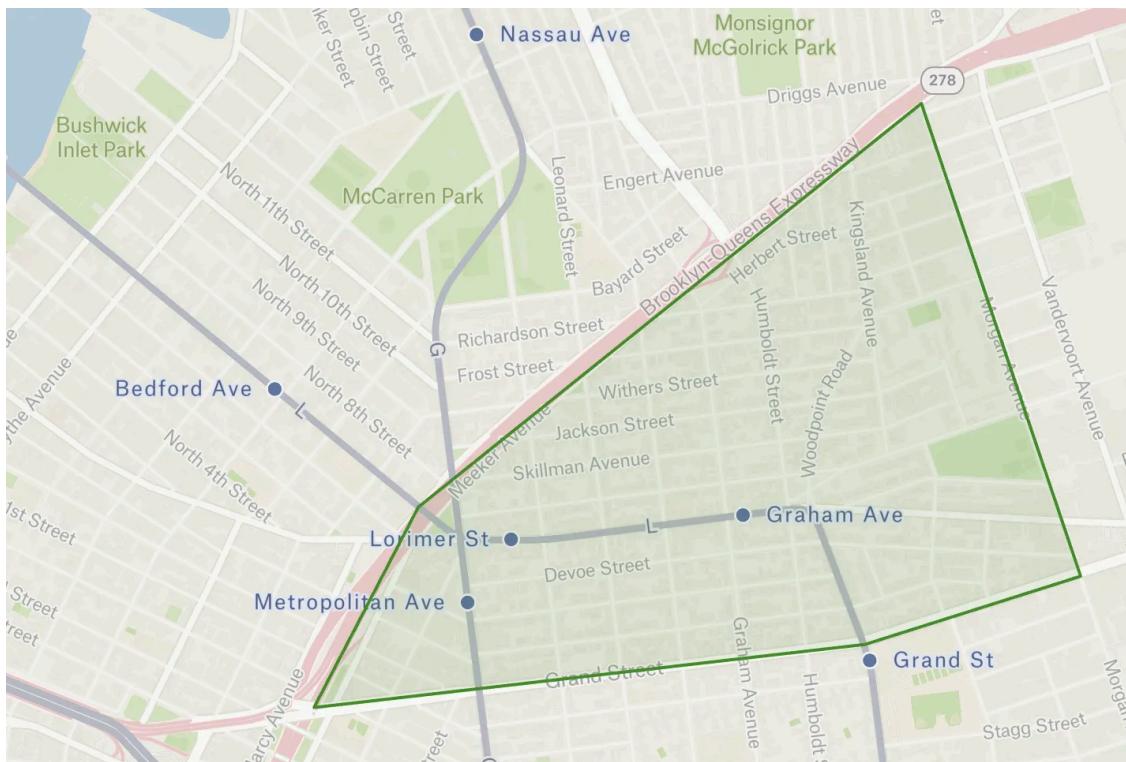
Fractal Tech Hub
111 Conselyea St, Brooklyn, NY 11211



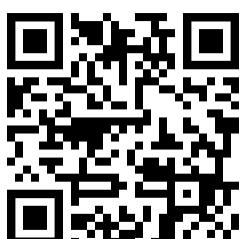
<https://maps.app.goo.gl/kb1vzAJrxuvZqaLk9>

The Neighborhood

Welcome to Williamsburg!



The Fractal Triangle



<https://fractalconyc.com/fractal-triangle>

What is Fractal Tech?



Fractal Tech Hub is Fractal's tech nerve-center, built by Andrew Rose and Jake Zegil for engineers, technologists, and startup founders to collaborate around the clock. It's your bootcamp classroom by day and a 24/7 coworking clubhouse after hours: shared desks, a quiet lounge-library, and an event zone that hosts nightly talks and hack sessions. You'll work alongside peers shipping cutting-edge projects—including the in-house AI product studio that originated in this bootcamp.

Fractal Tech Hub



<https://fractaltechhub.com/>

Fractal Tech Events



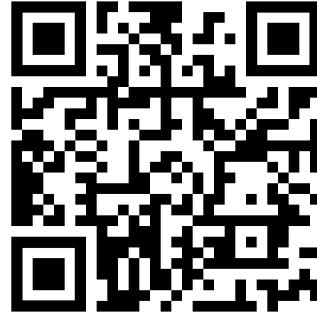
<https://lu.ma/nyc-tech>

Fractal Tech Member's Handbook



<http://manual.fractaltechhub.com/>

Fractal Tech Discord



<https://discord.gg/cPCx88ER39>

What is Fractal?



Fractal started as a co-living/arts collective founded by Andrew & Priya and has grown into an ecosystem where ambitious, open-minded builders live, work, and experiment together. Enrolling in the bootcamp embeds you in this network – participate in events, introduce yourself, spark side projects, and host gatherings. The connections you form here compound into opportunity long after the program ends

Fractal NYC



<https://fractalnyc.com/>

Merlin's Place



<https://merlins.place/>

Fractal Discord



<https://discord.gg/Wt9PkFAv>

Fractal Newsletter



<https://newsletter.fractalnyc.com>

Schedule

Semester	Midterm Break
June 2nd - August 30th	July 13th - July 20th

Classes

Monday - Friday, 9am - 7pm

Time	Activity
08:30 - 09:00	Coffee Time
09:00 - 10:00	Class
10:30 - 12:00	Project Work + 1st PR
12:00 - 01:00	Lunch
01:00 - 04:00	PRs 2-3 + Check-in
04:00 - 06:30	Ship, Ship, Ship
06:30 - 07:00	Closing Work, Reports

Recitation

Saturday, 10am - 4pm

Time	Activity
09:30 - 10:00	Coffee Time
10:00 - 10:20	Standup
10:20 - 12:00	Project Work
12:00 - 01:00	Lunch
01:00 - 04:00	Project Work

Syllabus

This syllabus is not static; it's a living draft that we adjust whenever the tech landscape shifts. Change and dynamism are features of the program, not bugs.

Weeks 1-6 move you from “hello world” to shipping full-stack, AI-infused software. Each week is anchored by a build-game dev, a RAG mini-app, an API bot, an algorithms sprint, and a two-week React Native project—so you hit the mid-program break with a solid modern stack toolkit.

Weeks 7-12 comprise three capstone cycles. Every two weeks you decide: attack an official capstone brief—solo or with a small team—or embed for a micro-internship at a NYC startup. Choose afresh each block to stretch the skills that matter most to your goals.

Unit	Week	Topic
1	June 2nd - June 7th	Intro Week + Game Dev
2	June 9th - June 14th	Full-stack AI
3	June 16th - June 21st	AI Integrations, APIs, & Bots
4	June 23rd - June 28th	Algorithms
5	June 30th - July 5th	React Native + Expo - Week 1
6	July 7th - July 12th	React Native + Expo - Week 2
BREAK	July 13th - July 20th	:)
7	July 21st - July 26th	Capstone 1 (Group)
8	July 28th - August 2nd	Capstone 1 (Group)
9	August 4th - August 9th	Capstone 2
10	August 11th - August 16th	Capstone 2
11	August 18th - August 23rd	Capstone 3
12	August 25th - August 30th	Capstone 3



What's the vibe?

Fractal is a **live bet** on the **future of education**

Knowledge decays fast; **adaptability** is the superpower

Our lectures and projects are all **editable like code** and **accept PRs**

Expectations

Arrive **early**; meetings start **on time**

"I don't know" is **leverage**, not weakness

Uncommunicated tardiness is an **absence**

Everyone's learning; **ego blocks growth**

3 strikes and **you're out**

Give yourself **permission to try**

Ship **3-5 PRs** daily

Seek help early; if blocked, **let us know**

Review **>= 1 PR** daily

We live these rules – **hold us to them**

Mindset

Culture & Etiquette

You bought in – **own the outcome**

Work Ethic

12 weeks to **rewire how you work**

Face-time helps; we don't clock hours

Expect the hardest, **most rewarding** grind

Never miss class; **communicate** conflicts

Like **building muscle**, not breaking bone

Be agentic: **ask for what you need**

If it stops being transformative, **speak up**

Results and/or honesty earn **respect**

AI Use Policy

Week 1-3

Our program embraces AI – its **clearly the future** – but during the first few weeks we want **your own neural net** doing the heavy lifting.

Coding assistants can **sloppify your brain** if you rely on them too soon, so we limit how you use them in this ramp-up phase.

That being said, AI is still the best tool for **unblocking yourself**; exercise your best judgement. You're on the honor system, but if we catch you, expect an uncomfortable conversation.

Allowed	Forbidden	Unsure?
<u>rubber-ducking</u>	"write code for me"	<i>Could this prompt yield finished code or a complete answer?</i>
clarify errors	complete algorithms	
surface docs	pasting AI output	
ask guiding questions	answering questions	If yes, rephrase it to request a hint, skip the AI – or tap a classmate or instructor

Minimal Prompt Template

System:

You are a Socratic coach. Never give full code or direct answers. Respond in ≤200 words with questions, concept checks, and doc links only.

User:

I tried ____ and ____; I think the issue is ____.

Please:

1. Point out my blind spot.
2. Give one resource to read.
3. Ask one question to move me forward.
(Do not give me the answer or write code.)

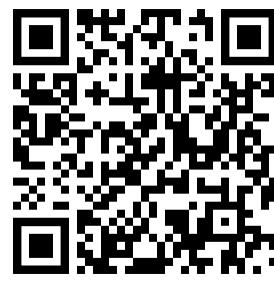
Resources

Pre-Bootcamp Prep



<https://github.com/fractal-bootcamp/precourse-materials/blob/main/README.md>

Fractal Bootcamp Monorepo



<https://github.com/fractal-bootcamp/bootcamp-monorepo/>

Fractal Tech Mentorship Club



<https://fractalbootcamp.com/mentors>