

Hackbright Fellowship

Week 1

- Logistics / What to Expect
- Intro to Command Line
- Conditionals and Looping
- Git / Github
- Functions
- Lists, Tuples, and Sets
- Computer Memory

Week 2

- Dictionaries
- More Command Line
- Algorithm: Markov Chains
- Twitter API
- Classes / Object Orientation

Week 3

- HTML
- CSS
- Flask
- Cookies and Sessions
- Bootstrap
- Introduction to Testing

Week 4

- Relational Databases / SQL
- Using DBs from Python/Flask
- Javascript
- Document Object Model
- jQuery
- AJAX & JSON

Week 5

- SQLAlchemy
- Data Modeling
- Machine Learning
- Advanced Javascript

Weeks 6-7

- Individual Projects
- Project Technologies
- Development Methodologies

Weeks 8-9

- Individual Projects
- Advanced Git: Branching & Merging
- Runtime Complexity: $O(n)$
- Recursion
- Linked Lists
- Trees and Binary Trees
- Sorting Algorithms

Week 10

- Polishing Individual Projects
- Career Planning
- Introduction to Whiteboarding
- Understanding Technical Interviews

Weeks 11-12

- Self-Directed Study
- Algorithm Practice
- Group Whiteboarding
- Resume Reviews
- Career Search Support

Fellowship Weekday Schedule

Weeks 1–5: Intensive Lectures / Labs

9:00am	(Tuesdays only) Career Coffee
10:00 am	Morning Lecture
11:45 am	Lab Exercises / Pair Programming
1:00 pm	Lunch
2:00 pm	Afternoon Lecture
3:30 pm	Lab Exercises / Pair Programming (Fridays: Study Hall at 2:30)
4:30 pm	Break/One-on-One Advisor Meetings (30 min.)
5:30 pm	(Fridays) Check-In
6:00 pm	Day Ends (Fridays: Social Evening at Hackbright)

Weeks 6–10: Projects / Technologies / CompSci Lectures

9:00am	(Tuesdays only) Career Coffee
10:00 am	Lightning Talks, Lectures, and Standup Meetings
11:45 am	Independent Project Work
1:00 pm	Lunch
2:00 pm	Independent Project Work (Fridays: Study Hall)
6:00 pm	Day Ends (Fridays: Social Evening at Hackbright)

Weeks 11–12: Self-Directed Interview Practice/Career Preparation

10:00 am	Independent/Group Study and Career Services Support
6:00 pm	Day Ends

Weeks 11 and 12 consist of extensive Career Services curriculum as an expansion of our weekly "Career Coffee" class offered on Tuesdays. We cover topics which include:

- Your Career Roadmap & Career Development Workshops
- Self-Care and Stress Management Discussions
- Hackbright Hiring Partner Company Meet & Greets/Recruiting Events with Engineering Teams
- Whiteboarding Opportunities, Both via Self-Study, Group, and Mentor-Led
- Compensation & Negotiation and Equity Workshops by Industry Experts
- Tech Industry Workshops- Venture Capital, Interviews, Career Development, Leadership, Imposter Syndrome, and more
- Mock Interviewing
- Resume, Cover Letter, and Personal Branding Workshops

A typical day is from 10am to 6pm, with a variety of day and evening events planned to offer networking opportunities and connections to job opportunities. The goal of weeks 11 & 12 is to empower Hackbright graduates with resources and opportunities to secure employment as a software engineer.