### Instructor Kickoff

Welcome to Flatiron School!

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### **Agenda**

- Warm-up & Introductions
- Your Support Team
- Program Tools
- Program Structure & Schedule
- Setting Yourself Up For Success

### Warm-up

- Introduce yourself:
  - Name
  - Pronouns
  - Where you are located
- Share a book, podcast, movie, or TV show you've enjoyed recently.

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### Your Support Team

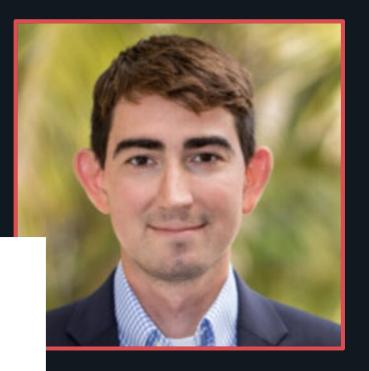
### I'm your instructor 👋

### What I do:

- Conduct sessions on core curriculum
- Administer and grade assessments
- Deliver feedback on coursework and progress

### Daniel Burdeno

He/Him



### **Your Support Teams**



### **Technical Support:**

- **Instructors:** Deliver lectures, conduct assessments, and provide feedback on coursework and progress
- Pair with a Technical Coach: Support on labs and projects (nights and weekends only)

### **Non-Technical Support:**

- **Student Advisors:** One-on-one support during your program
- **Career Coaches:** One-on-one support after graduation
- **Community Team:** Slack channels, newsletters, and events to help you connect with others and build your network

## The **Squad**

Angelica (Jelly) Spratley











### Instructors and Technical Coaches

- Able to support during specified hours
  - Instructors = Work day
  - Technical Coach = Nights and weekends
- Exceptions include meetings, supporting events, lunch, and prep time.
- Instructional team will give you constructive feedback on code and professional skills.
  - They will not necessarily hand you the answerbut they'll guide you.



### **Program Tools**

### Discord

Important channels to know:

#ds-ntl-040124

#all-about-data

#announcements

#events

### **Reminders:**

Update your server profile:

- Photo (optional!)
- First name and last name
- Get roles!

Complete your onboarding (visit Server Guide)

Download the desktop app!



**Our Code of Conduct applies to Discord.** This is a part of our community but we can't be everywhere at once. Please let us know if you're ever uncomfortable with something that was said or the way something was said.

### **Canvas**

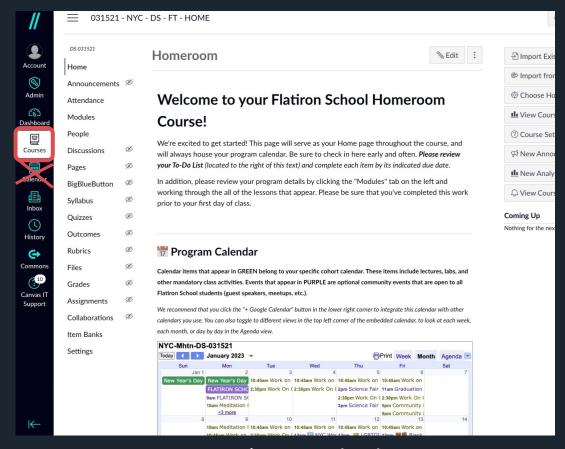
Flatiron School uses Canvas, a learning management system, to deliver our program and technical content.

#### **Homeroom Course**

General information, resources, and your calendar

#### **Phase Courses**

Lessons, labs, assessments, and blogs



FYI: Here's your calendar!

### Pair with a Technical Coach

#### What?

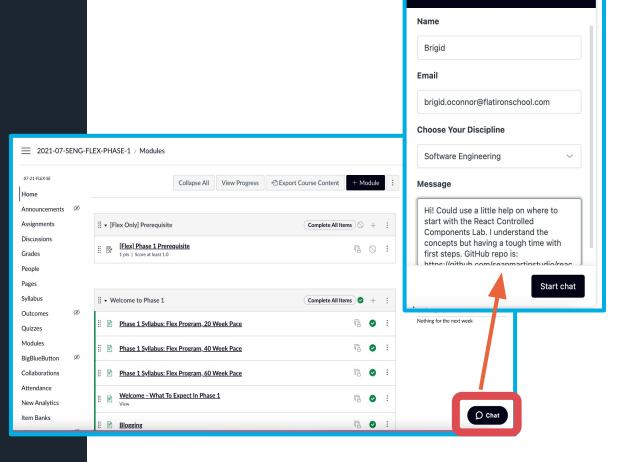
- General comprehension
- Technical support for platforms and applied learning tools
- Getting "unstuck" in labs
- Cannot help with anything assessment-related

#### When?

Nights and weekends:

- Weekdays: 6pm midnight ET
- Weekends: 9am midnight ET

**How?** Zendesk chatbot in Canvas



Pair with a TC

### **Expectations when working with our TCs:**

### **What Students Can Expect from TCs**

- There will likely be a wait time.
- Screen sharing and pair programming.
- You likely won't work with a TC all the way through to completing a lab or a final solution. You can always pop back in if you get stuck again!
- The TC team syncs up with the rest of the instructional staff at Flatiron School to share feedback.

### **What TCs Expect from Students**

- Be kind. We know you might be frustrated or under stress, and we are here to help you succeed.
- **Be patient.** We support a lot of students, and it's hard to predict wait times. We're working as diligently as we can to get through the queue.
- Be collaborative. We aren't going to code for you, or give you the answers straight away. It's all a part of the learning process!

### Ada

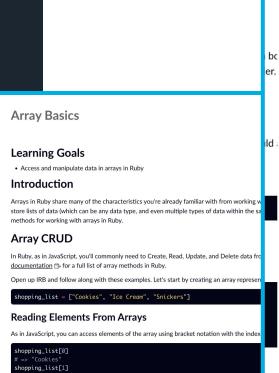
#### Meet our chat bot, powered by OpenAl

- Tailored prompts
- Asks questions and uses analogies, diagrams, code samples
- Guides you toward solution

#### When?

 Use when Pair with a Technical Coach option is unavailable

How? Chat box in Canvas



You can also access elements starting from the end of an array by providing a negative index:

OP Chat Please show me how to loop through an array in python Certainly! In Python, you can loop through an array using a for loop. Here's an example:  $my_array = [1, 2, 3, 4, 5]$ for item in my array: print(item) In this example, we first define an array called my\_array that contains the integers 1 through 5. We then use a for loop to iterate through each item in the array and print it to the console. You can also use a while loop to iterate through an array by using an index variable to keep track of the current position in the array:  $my_array = [1, 2, 3, 4, 5]$ index = 0while index < len(my array): print(my\_array[index]) index += 1Ask a question...

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# Program Structure & Schedule

### **Program Timeline**

Phase 2
Weeks 4-6
Statistics

Phase 4
Weeks 10-12
Advanced
Topics

Phase 1

Weeks 1-3

Data Analytics

Phase 3

Weeks 7-9

Machine

Learning

Phase 5

Weeks 13-15

Capstone 🎉

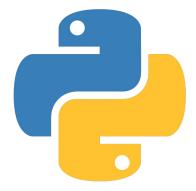
- Coding in Python
- Data Manipulation and Analysis
- Data Gathering
- Data visualization + Tableau









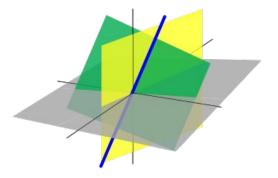


- Coding in SQL
- Statistical Modeling
- Hypothesis testing
- Simple Linear Regression





- The Math behind Machine Learning
- Classification Algorithms
- Building Modeling Pipelines



- Recommendation Systems
- Natural Language Processing
- Neural Networks



- Capstone!
- 2-3 Week Solo
- Project of choice



### The Next 15 Weeks

#### **Lessons and Labs**

Learn the fundamentals. **You do NOT need to complete all labs and lessons** - but going through most is essential to passing the code challenges and creating projects.

### Code Challenges & Checkpoints [40%]

During each phase, you'll have checkpoints and a code challenge to assess your understanding of the phase.

### Quizzes [10% of Grade]

Each phase you will take a few quizzes to check your understanding and ensure your learning in on track! Required quizzes are highlighted in each phase.

### Projects [50% of Grade]

In week 3 of phase 1-4, you will build a project to practice all of the concepts from the phase and build your portfolio for the job search. Phase 5 consists of 3 weeks to build a cumulative capstone project.

### **Plagiarism & Cheating**

#### **Lessons and Labs**

Remember that you're here to learn and while you can use any resource you desire, copy/pasting code doesn't help you prepare for assessments, interviews, or jobs.

**Blogs** 

Don't plagiarize! Using another entity's work without attribution is plagiarism!

### **Code Challenges**

#### Allowed:

- Canvas labs, lessons, and lectures
- Your own notes, previous labs, or reviews

#### Not Allowed:

- Messenger apps
- ChatGPT and other Als

### **Projects**

Don't plagiarize! Using another entity's work without attribution is plagiarism!

If using code from another source, it needs to be cited and you need to understand how it is being used.

### Get your blog on!

- Approximately 5 minute read
- Published online
- Technical or tech related <u>subjects</u>
- Recommended to write a blog per phase



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# Setting Yourself Up for Success!

# This isn't like high school or college!



### **Teaching Methods**

- 1:1 instructor meetings
- Office hours
- Lectures (live and recorded)
- Curriculum (lessons and labs)

### **Student Responsibilities**

- Attending and watching Lectures
- Canvas course completion
- Code Challenges
- Projects

### **Professional Development**

- Online branding (LinkedIn)
- Resume and portfolio building
- Networking

### Personal Empowerment Protocol:

- 1. Read the error
- 2. Google the problem
  - 3. Ask a peer
  - 4. Ask an instructor

- This is an important framework in general for debugging / working through problems.
- Remote learning makes it even more vital!
- Reading errors, looking up problems, and collaborating with peers are essential skills.
- Get practice with them before asking us!

### Imposter Syndrome



### Any questions?

### For the rest of today...

**Now:** Data Science Toolkit Lecture!

- Then jump into canvas
- Environmental setup
- Terminal and Git content

1:00 pm: Lunch Break

**3:00 pm ET:** Into to Terminal Lecture!

5:00 pm ET: Program Orientation

**6:30 pm ET:** Stand Down

### Get stuck? Post in our cohort Discord channel!