

HACK  
UP STATE

# CAREERS IN CODE

In Partnership With:



CEO  
CENTERSTATE  
CORPORATION FOR  
ECONOMIC OPPORTUNITY

JPMORGAN  
CHASE & CO.

Cohort 2 Kickoff

Thursday, March 11, 2021

[careersincode.org](http://careersincode.org)

Note: we are live streaming  
on YouTube and recording  
this Zoom call.

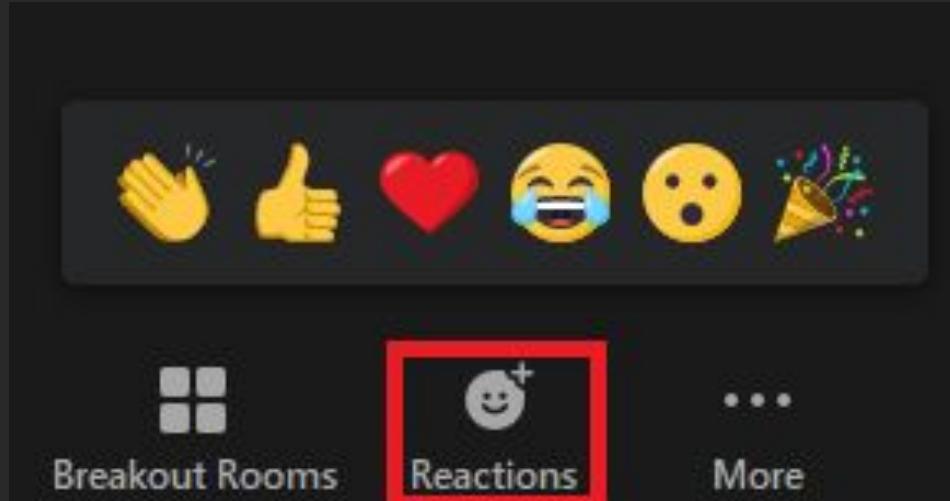
You can find this presentation at

[bit.ly/cic-kickoff-c2](https://bit.ly/cic-kickoff-c2)

# zoom logistics.

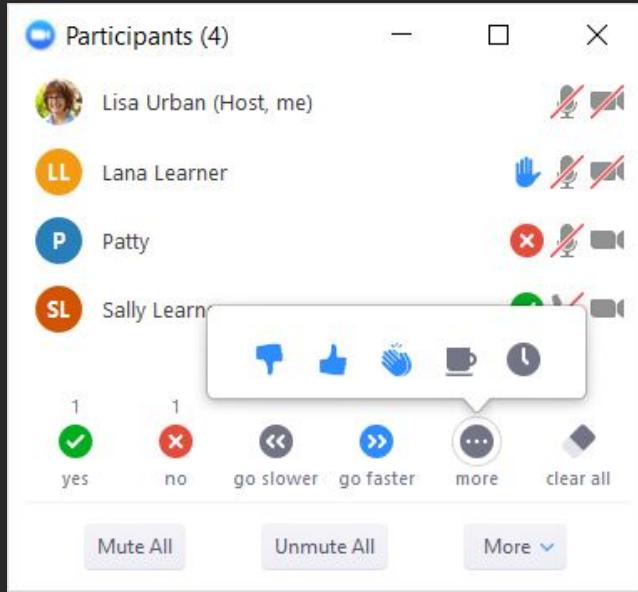
- Zoom will be used for our **main stage** and all **speakers, panelists, and side events**. We will use the **same Zoom meeting URL**.
- Everyone is **muted by default** without the ability to unmute. Only organizers can unmute you.
- Zoom chat will be **disabled**
- We'd encourage everyone to **use video**
- Please make sure your real first and last name appears on the screen
  - For example: Jesse Peplinski
- We are **broadcasting live and recording** to our YouTube channel
  - [youtube.com/user/hackupstate/live](https://youtube.com/user/hackupstate/live)

# Since you'll be muted, here's how to applaud!



# zoom logistics - raising your hand.

## Here is how you raise your hand.



# zoom logistics - intros.

- We will **unmute** students, instructors, and partners
- When you are up to speak, **please raise your hand in Zoom**. It'll help us to identify you.

Hack Upstate's mission is to  
Advance Upstate New York's  
Technology Community.

# Careers in Code.

- We provide students fighting poverty with the technical skills they need to **obtain internships and entry level software development jobs** with local and remote employers after 24 weeks of instruction.
- We help grow the **regional software engineering talent pool**.

# code of conduct.

All hackers abide by the Hack Upstate Code of Conduct to maintain an **open**, **friendly** and **inclusive** community, in which Upstate New York's tech community can adeptly **connect**, **communicate** and **collaborate**.

**[hackupstate.com/conduct](http://hackupstate.com/conduct)**

- In short, be cool, have empathy and **do the right thing**.
- Treat everyone with **respect** and **kindness**.
- Be **thoughtful** in how you communicate.
- Don't be destructive or inflammatory.
- If you feel uncomfortable or unsafe email [team@hackupstate.com](mailto:team@hackupstate.com).

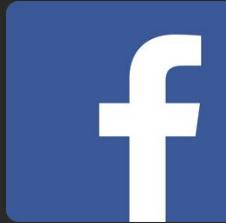
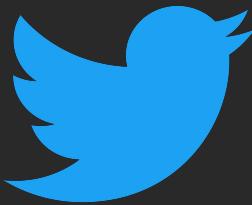
# remote-first, virtual cohort.

- *Same mission, same amazing community - new format.*
- Due to venue restrictions and safety as our top priority, we decided to move forward with a single remote-first, virtual event.
- **This our first virtual cohort.**
- We'd absolutely love your ideas, thoughts, and feedback on how we can create the **best experience possible** for everyone involved.

# schedule

<b>Kickoff and Introductions</b>	5:30 - 6:30 PM
<b>Student Orientation</b> <i>Student Acceptance Agreement, Curriculum / Capstone Rundown, Expectations</i>	6:30 PM
<b>Informal Virtual Networking</b> <i>via Discord and Slack</i>	7:00 PM

# connect.



@hackupstate

# #CareersInCode

Tweet at us, we'll retweet you!

# lightning introductions.

Tell us about yourself! Please try to keep it around 1 minute.

- **Accepted Students** - Your background, goals for the program, etc
- **Instructors** - Your background, current position / company, modules you'll be teaching, etc
- **Partners** - Your company, your mission, possible internship and entry-level positions that might be available upon graduation, etc

# team.

## Jesse Peplinski

Partner

Hack Upstate

[jesse@hackupstate.com](mailto:jesse@hackupstate.com)



## Dana McMullen

Program Manager

Hack Upstate

[mcmullen.dana7160@gmail.com](mailto:mcmullen.dana7160@gmail.com)



## Jason Scharf

Student Success Rep.

Careers in Code

[jasonscharf3@gmail.com](mailto:jasonscharf3@gmail.com)



## Doug Crescenzi

Partner

Hack Upstate

[doug@hackupstate.com](mailto:doug@hackupstate.com)



## Laura Thorne

Career Coach

Hack Upstate

[laurajeanthorne@gmail.com](mailto:laurajeanthorne@gmail.com)



# Students (1/2)



Shah Mansoor



Melaquan Saffold



La'Tonia Mertica  
Sheppard Walker



Fobealia  
Barrett-Wynn



Shantina Perez



Brandy Mack



Dominique Wynn



Sara Dow



Brielle Dailey

# students (2/2).



Susan Baiter



Corey Hudson



Kyle Gilbert



Bentley Locke



Ariel Murphy



Jaheal Smith



Karen Baxter



Elina Nguyen



Carolyn Sprague

# instructors.



Max Matthews  
Modules 1, 4, 7, 8



Karin Thorne  
Module 2



Christy Prensler  
Module 3



Kaitlyn Warboy  
Module 3



Dana McMullen  
Module 3



Gus Cost  
Modules 4, 7



Ryan Gaus  
Module 5



Joey Buczak  
Module 6



Nathan Evans  
Module 9, 10, 11



Aneesa Hussain  
Module 12

# teaching assistants.



Dana McMullen



Karin Thorne



Kelly Corey



Drew Knab

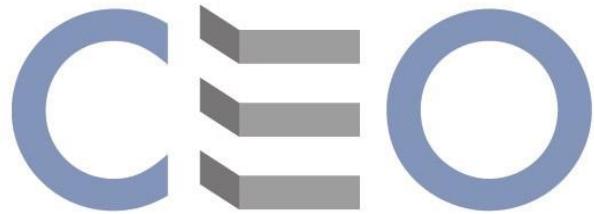


Allison Boldt



Kaitlyn Warboy

# partners.



**CENTERSTATE  
CORPORATION FOR  
ECONOMIC OPPORTUNITY**

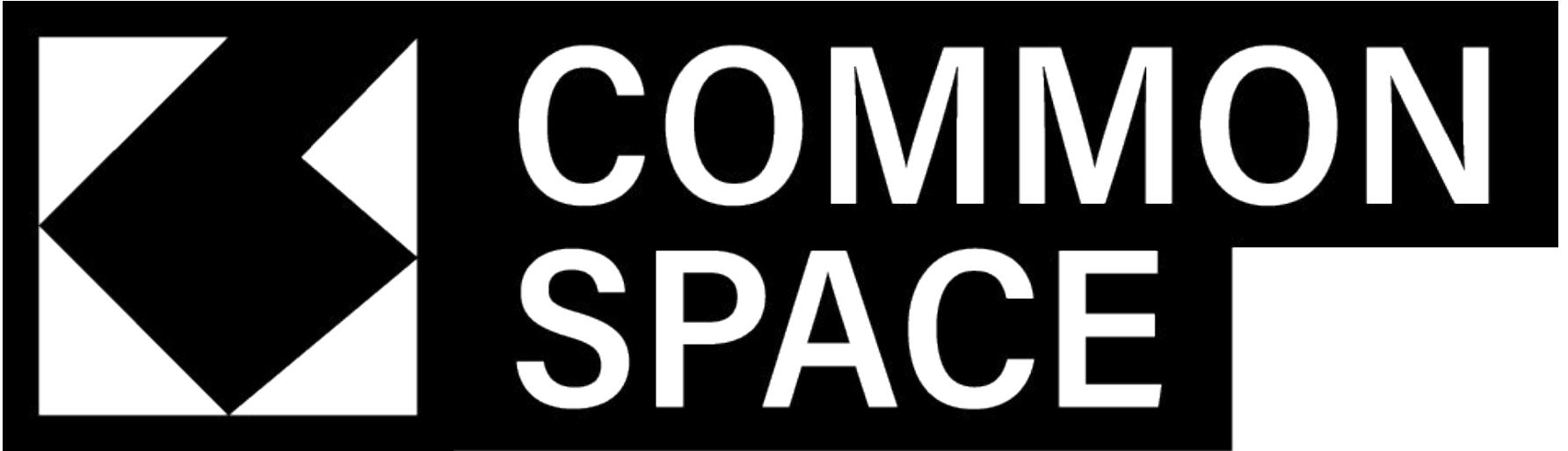
Laiza Semidey

[centerstateceo.com](http://centerstateceo.com)

# LE MOYNE

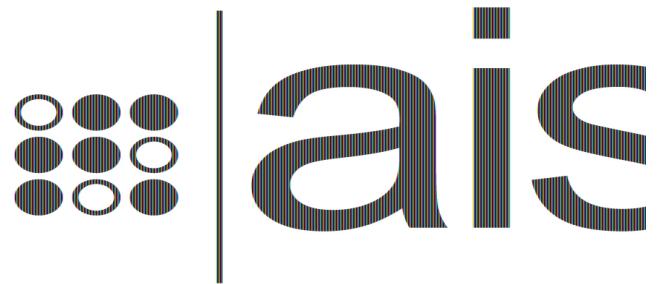
## Greatness meets Goodness

Amanda Miles  
[lemoyne.edu](http://lemoyne.edu)



Joe Sisko

*commonspace.com*



Krissy Sanders  
*ainfosec.com*



John Mcdonald  
[tcgplayer.com](http://tcgplayer.com)



Jim Jurista

[metisconsultinggroup.com](http://metisconsultinggroup.com)

# Any other partner or employer plugs? Did I miss anyone?

# Get involved!

- We're always looking for instructors & teaching assistants, partners & employers, and guest speakers.
- Drop us a note @ [jesse@hackupstate.com](mailto:jesse@hackupstate.com) if you'd like to get involved!

# networking via discord.

- After our student orientation from 6:30pm - 7:00pm, please join us in our Discord breakout rooms for some networking!
- Find it on our website in the navbar
  - [hacupstate.com](http://hacupstate.com) and click on the link that says “Discord”
  - Or you can join using this link <https://discord.gg/kraVEaE>
- Join any of our breakout room channels



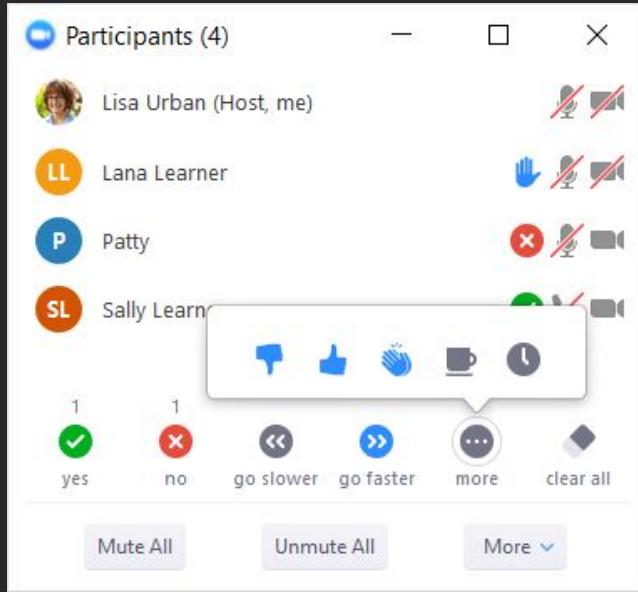
# Thanks for Coming!

Students - meet back here at 6:30 pm for orientation.

# Student Orientation

# zoom logistics - raising your hand.

Remember - here is how you raise your hand.



# agenda

- When/where
- Student acceptance agreement
- Laptops
- Tech stack rundown
  - Zoom, Slack, Discord, Google Drive, Google Classroom, Developer Tools
- Curriculum overview
- Capstone project
- Prep work / homework
- Questions

# When / Where

- All classes will take place virtually via zoom from 5:30pm-8:30pm
- The link will always be <https://us02web.zoom.us/j/9012258780>
- We will also send you a calendar invite series with the instructor and teaching assistant for the week.

student acceptance  
agreement.

# Student acceptance agreement

- For homework, you must read, sign, and return the student acceptance agreement.
- **At the end of this presentation, please check your email to make sure you received it!**
- This document covers the following
  - Code of conduct and privacy policy
  - Data provision
  - Upon acceptance
    - Laptop agreement (terms of the laptop loan)
  - During the program
    - Expectations and responsibilities
  - Upon graduation
    - CNY sustainability agreement
  - Disclosure of information to a third party

laptops.

# laptops - usage policy.

- We are fortunate to be able to offer all of our students **loaner MacBook laptops** ("the laptop") as a part of the program. Students will utilize this laptop over the 24 week program, and mail it back to us upon completion of the program.
- In short, you should **treat this laptop like you would a work laptop**.
- As a student, you agree to use this laptop:
  - For purposes related to the Careers in Code program and use as directed by approved Careers in Code instructors, mentors, and teaching assistants;
  - In a way that will help you to do your best throughout the program;
  - In a way that preserves the physical integrity of the laptop, by avoiding the following behavior:
    - Do not lose the laptop;
    - Do not sell or attempt to sell the laptop;
    - Do not intentionally damage the laptop;
    - Do not trade laptops with another student;
  - In a way that is aligned with the views and beliefs of Hack Upstate LLC and Careers in Code. Ultimately, it is your choice to decide how you use the laptop, but the program will not pay for any damages incurred by the student.

# Laptops - exit / unenrollment.

- Failure to abide by these conditions may result in the laptop needing to be paid back in full by the student.
- If for any reason, you are forced to exit or unenroll from the program, the laptop must be forfeited back to the organization, in its original condition.
- Upon graduation or exit of the program, if you do not return the laptop in its original condition within 30 days of completion or unenrollment, we will issue you an invoice of the original price of the loaner laptop which you will be responsible for paying in full.
- The original price of the laptop is \$1402.92 (\$1299.00 + \$103.92 in sales tax).

# Laptops - tracking software.

- We have installed software that will, if necessary, allow us to monitor the location of the laptop. Remote functions we have with this include software:
  - Tracking of the machine
  - Lock the device so that the user can no longer access it
  - Wipe the device of all data and restore to factory settings
- Note that we cannot view what you are doing on your machine and no personal information is collected by us using the tracking software described above.
- You can view the full privacy policy of our [laptop tracking software here.](#)

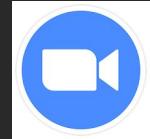
student support /  
getting help.

# student support.

- Commonspace membership
  - We issued a survey to gauge your needs for CoWorks memberships. If you change your mind / would like a membership, please reach out to us.
- Student Stipends
  - Each student receives up to \$200 to use throughout the 24 week program. The stipend should be used for things that help to eliminate any problems or challenges you might be facing during the program and additional or unforeseeable costs you face during the program that may impact your ability to complete the program.
  - You can learn more about the stipend can be used for here and the process to submit expenses to us.
- Student Success Representative
  - Jason will help you to navigate problems, barriers, and challenges you face over the 24 week program
- Career Coach
  - Laura will help to prepare you all to navigate your job search with confidence and competence.
- Office Hours and 1-1 times
  - Each week, instructors will coordinate on office hours with students.
  - You can also go to our instructors page on our website and setup time there.

tech stack.

zoom.



- All classes will take place virtually via zoom from **5:30pm-8:30pm**
- The link will always be  
<https://us02web.zoom.us/j/9012258780>
- We will also send you a calendar invite series



- **Text-based** communication
- Hack Upstate is one of many Slack communities to become involved in
- Connect with 750+ technologists in CNY
- Find it on our website in the navbar
  - <https://hackupstate.com/home> and click on the link that says “Slack”
- Please join the following channel
  - #cic-students-c2
- Feel free to poke around and join other channels as you’d like



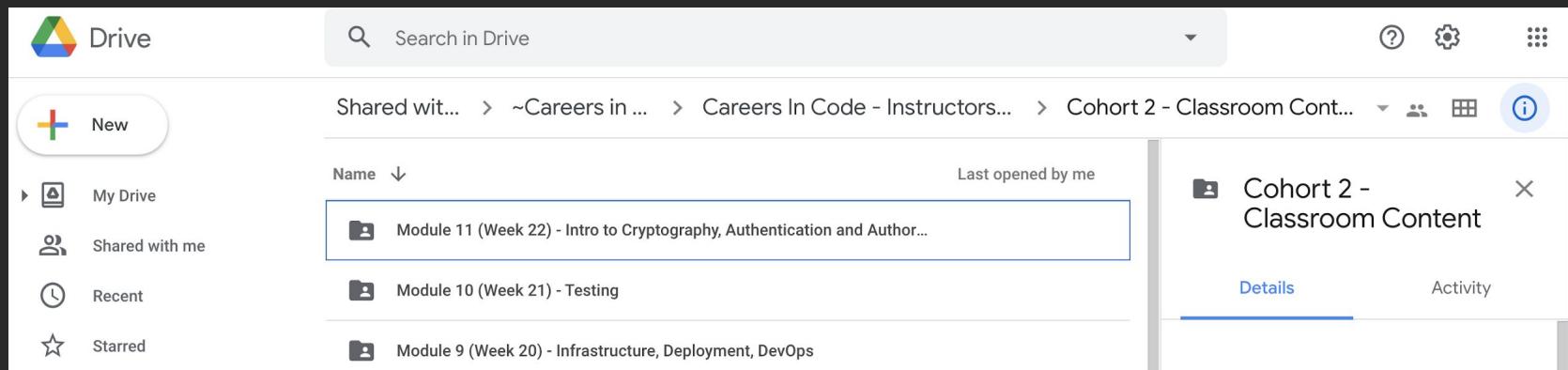
# DISCORD

- **Live video/voice communication** and screen sharing for **breakout rooms**
- Group channel for our students
  - #cic-students-c2
- Individual room for each student listed by name
- Find it on our website in the navbar
  - [hackupstate.com](http://hackupstate.com) and click on the link that says “Discord”
  - Or you can join using this link  
<https://discord.gg/kraVEaE>

A screenshot of the Discord application interface. At the top, there's a header with the text "Hack Upstate" and a dropdown arrow. Below the header, there's a search bar with a magnifying glass icon and a placeholder text "An adventure begins. Let's add some friends!". To the right of the search bar is a button labeled "Invite People". On the left side, there are several circular icons with different symbols: a user icon, a square icon with "HACK" and "WORK" text, a plus sign, a compass, and a download arrow. The main area shows a list of channels on the right side of a vertical scroll bar. The channels listed are: Career-Coaching, Instructor-Office-Hours1, Instructor-Office-Hours2, T.A.-Room-1, T.A.-Room-2, #cic-students-c2, c2-Fobealia-Barrett-Wynn, c2-Latonia-Mertica, c2-Melaquan-Saffold, c2-Shah-Monsoor, c2-Shantina-Perez, c2-Brandy-Mack, and c2-Jaheal-Smith. Each channel entry includes a speaker icon and a small preview image.

# Curriculum - Google Drive

- All of our content for the classroom will be in a shared Google Drive folder
- You can find the [Google Drive folder here](#)



# google classroom.

The screenshot shows the Stream page of a Google Classroom class named "[Cohort 2] Careers in Code". The class schedule is listed as "Mon - Thurs, 5:30pm-8:30pm". The class code is "yn7zzel".

The Stream page displays several posts:

- An announcement from the teacher: "Announce something to your class" (with a reply icon).
- A post from Jesse Pepinski: "posted a new assignment: Student Admissions Process Feedback" (posted on Mar 9).
- A post from Jesse Pepinski: "posted a new assignment: Review, Sign, and Submit Student Acceptance A..." (posted on Mar 9, edited at 8:29 AM).
- A post from Max Matthews: "posted a new assignment: Read Twitter Thread on Video in Zoom" (posted on Mar 3).

At the bottom left, there is a question mark icon.

# Google Classroom - yn7zzcl



- Google Classroom will be used by instructors to post homework, projects, and assignments
- Students should use it to submit projects, homework, and assignments
- Everyone should join classroom now
  - Navigate to [classroom.google.com](https://classroom.google.com) and log in with your Google Account
  - Click the + in the upper right hand corner and use the code **(yn7zzcl)**
  - You should be logged in and will have access to the classroom
- This will be a very important resource for you, so please make sure you are comfortable using it
  - iOS / Android users have a free app available
- Do not use for communicating with instructors or TA's for assistance.
  - Instead, use Slack to communicate. Use Discord for virtual meetings.

# Careers in Code Portal

- This Careers in Code portal is a link directory that provides information and resources to students, instructors, teaching assistants, and partners involved in Careers in Code. It's a one-stop-shop for everything you need to know.
- We're in "beta" mode of this portal and we plan to add resources and information to it over the program.
- We'd love your thoughts and feedback!
- Note: some of the content there is from cohort 1.
- View the portal at [portal.careersincode.org](http://portal.careersincode.org)

# Careers in Code Portal

The screenshot shows the left sidebar of the website. At the top is the HACK UPSTATE logo and the text "careersincode". Below that is a search bar with a magnifying glass icon and an "x" button. The sidebar contains several links: "Common Resources", "Student", "Instructor", "Teaching Assistant", "Partners and Employers", and "Program Manager". Below these is a "MORE" section with links to "GitHub Repo" and "Theme Documentation". At the bottom, it says "Built with ❤ from Grav and Hugo".

HACK  
UPSTATE | careersincode

Search... ×

Common Resources

Student

Instructor

Teaching Assistant

Partners and Employers

Program Manager

MORE

GitHub Repo

Theme Documentation

Built with ❤ from Grav and Hugo

## CAREERS IN CODE PORTAL

Welcome to the Careers in Code Portal! 

This portal is a link directory that provides information and resources to students, instructors, teaching assistants, and partners involved in Careers in Code. It's a one-stop-shop for everything you need to know.

- [Common Resources](#)
- [Student](#)
- [Instructor](#)
- [Teaching Assistant](#)
- [Partners and Employers](#)
- [Program Manager](#)

# Developer Tools (GitHub and VSCode)

- Programs that allow a developer to create, test and debug software
- Max will go over how to setup and onboarding with the developer tools you'll need to start writing code on the first day of class.
  - GitHub - a type of software that help you track changes you make in your code over time
  - VSCode - a code editor for used for building modern web applications.

curriculum overview.

# Curriculum Overview

- Our curriculum has **12 modules**.
- Each module spans several weeks and covers separate topics that will prepare you to get jobs and internships upon completion of the program.
- Some modules will be taught by a single instructors, and others will be taught by multiple instructors.

# Curriculum breakdown.

- Module 1 (Week 1): The Development Big Picture
- Module 2 (Weeks 2 - 3): Web Development Fundamentals and Wireframing
- Module 3 (Weeks 4 - 5): Visual Design, Accessibility, Responsive Web Design, Bootstrap
- Module 4 (Weeks 6 - 7 - 8 - 9): Fundamental Programming and Javascript
- Module 5 (Weeks 10 - 11): HTTP & API's, RestFUL APIs, JSON & Ajax
- Module 6 (Weeks 12 - 13 - 14): React
- Module 7 (Weeks 15 - 16 - 17): Intro to Server-side Javascript with Node.js, Making our own API's
- Module 8 (Weeks 18 - 19): Intro to Databases, Data Modeling with SQL
- Module 9 (Weeks 20): Infrastructure, Deployment, DevOps
- Module 10 (Weeks 21): Testing
- Module 11 (Weeks 22): Intro to Cryptography, Authentication & Authorization
- Module 12 (Weeks 23 - 24): Capstone work and presentations
- You can view a [detailed curriculum here.](#)

capstone project.

# The Capstone Project.

- Over the duration of the program, **students will create an individual capstone project on something they are passionate about**. The project will be a full-stack (front-end, back-end, database) application that will be built throughout the 24 weeks of the program. Students will write a series of technical blog posts about their project, talk about problems they are solving, and discuss with instructors and their classmates about what they are building.
- When choosing your project idea, **pick something that is exciting to you** and that you have a passion for.
  - Think of a problem that might exist today. It can be one you face on a daily basis, here in our community, or a world-wide issue. You should set realistic expectations so that you can accomplish it within 24 weeks. What can you build?
- Our instructors, teaching assistants, and community will **assist you throughout the process**.
- All students will **present their capstone projects on graduation day** at the end of the program.
- Touchpoints and demo days will happen every ~3 weeks. During class, we'll ask for an update on where your project is (i.e. ideas, thoughts, updates, questions, or concerns on your project)
- Schedules will be posted in Google Classroom. You'll see assignments related to your capstone project appear over time.
- [For more information, view our capstone project document here.](#)

prep work / homework.

# Prep Work for Next Class

1. Get familiar with your laptop - Your laptop will be the most used item during class. You must be comfortable interacting with it (navigating, typing, finding apps, locating drive spaces and files, etc.).
2. Prepare to take notes - Most classes will be hands on, so you won't need an external method of note taking. However, feel free to type, write, or record your notes.
3. Review this slide deck and come to class with any questions you may have.

# Homework

1. Login to [Google Classroom](#) and complete your first assignments:
  - a. Assignment #1: Careers in Code - Student Admissions Process Feedback
  - b. Assignment #2: Review, Sign, and Submit Student Acceptance Agreement
    - Dana will be sending the acceptance agreement via email for you to review and digitally sign.
    - If you cannot digitally sign, you can print the document and then sign.
    - Be sure to scan and email the final two pages where signatures are required, or you can sign it digitally with [smallpdf](#) and email it to us.
  - c. Assignment #3: Read Twitter Thread on Video in Zoom
2. After completion, make sure you click on the **submit** button for each assignment..
3. Congratulations, your first homework assignments are complete!

# Virtual Class Etiquette

- Be present via Video and Audio
- Wear clothes
- Be aware of your background
- Sit at a table or desk - Your virtual meeting is the same as attending class.

# virtual class etiquette.

# Virtual Class Etiquette (cont.)

- Utilize the mute button - Remember to unmute yourself when it is your turn to speak. Don't multitask.
- Use the chat - Zoom includes a chat option while in a virtual meeting. This is a great place to ask questions or for clarification without disrupting the meeting.
- Be careful not to interrupt - Zoom has to choose between competing audio's, so when you interrupt or speak at the same time as someone else, there's a good chance that participants will only hear part of what both people are saying.
- Embrace silence -Silent pauses can provide the needed room for everyone to contribute without the tech issues that come with interrupting.

**This program will give you the tools to be successful.**

**It's up to you to apply them through your capstone project,  
assignments, homework, and other projects.**

# Any questions?

This is a ton of material to absorb! Is there anything we can clarify?