Phase 2 Orientation

Bertelsmann Technology Scholarship March 19, 2020



CONGRATULATIONS! 💥



You did it!

You're moving on to Phase 2!







TODAY'S AGENDA

- Nanodegree Overview
- Project Review Process
- Plagiarism and Academic HonestyPolicy
- Phase 2 Resources
- Program Advice
- FAQs
- Open Q&A

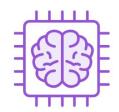
Nanodegree Overview



Welcome to Phase 2:

- Nanodegree Phase 2
 - Al Track: Deep LearningNanodegree*
 - Cloud Track: Cloud DevOps
 Nanodegree
 - Data track: Data AnalystNanodegree

*We're going to use the Deep Learning Nanodegree as an overview example!



Deep Learning Nanodegree



Cloud DevOps Nanodegree

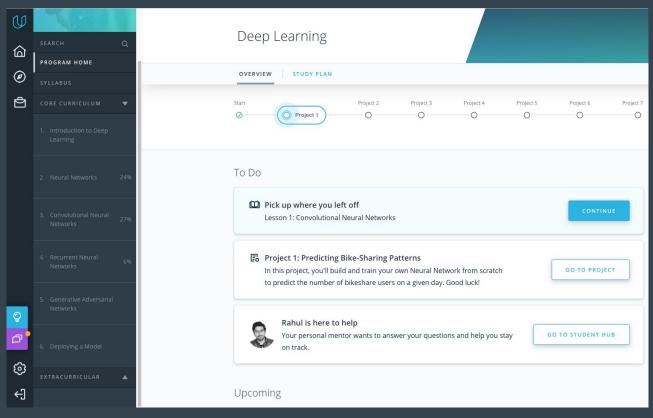


Data Analyst Nanodegree

Nanodegree Project Summaries

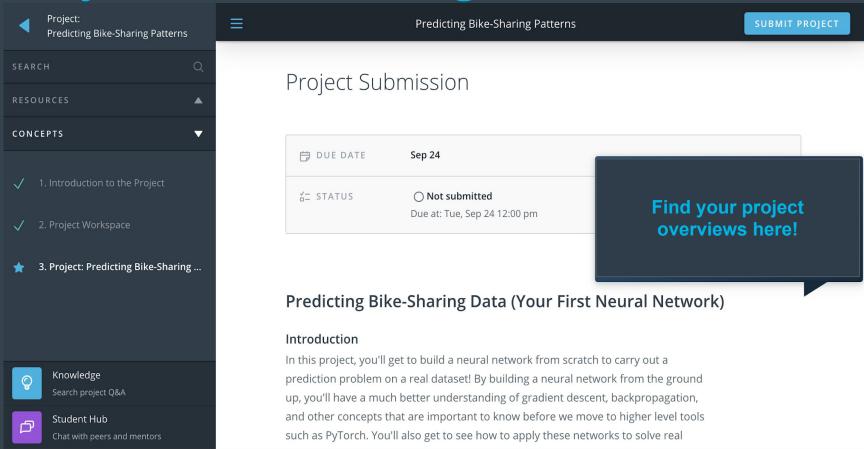
- You must complete and pass these in order to graduate!
 - Deep Learning Nanodegree has 5 technical projects
 - Cloud DevOps Nanodegree has 4 technical projects
 - Data Analyst Nanodegree has 4 technical projects
- Each project will have a brief project overview outlining the project.
- Each project will also have a project rubric a list of specifications you are expected to meet.
- When your project is ready, follow instructions and formally submit your project for code review.
- Take your projects seriously and use them to solidify your own knowledge and mastery of the skills and concepts you learn throughout the Nanodegree program

How Nanodegrees Are Structured



- programs consists of lessons + real-world technical projects these will need to be completed and submitted for formal code review
- Set Study Session times to receive study reminders regular study habits is key!

Project Overview Page



Project Rubric

PROJECT SPECIFICATION

Predicting Bike-Sharing Patterns

Code Functionality

CRITERIA	MEETS SPECIFICATIONS
All code works appropriately and passes all unit tests	All the code in the notebook runs in Python 3 without failing, and all unit tests pass.
Sigmoid activation function	The sigmoid activation function is implemented correctly

Forward Pass

CRITERIA	MEETS SPECIFICATIONS
Forward Pass - Training	The forward pass is correctly implemented for the network's training.

Project Submission Checklist

Project Submission Checklist

Before submitting your project, please review and confirm the following items.

- ☐ I am confident all rubric items have been met and my project will pass as submitted. (If not, I will discuss with my mentor prior to submitting.)
- Project builds correctly without errors and runs.
- All required functionality exists and my project behaves as expected per the project's specifications.

Once you have checked all these items, you are ready to submit!

Project Review Process





Project Reviews

- Each technical project must be formally submitted for code review.
- Project reviews can take up to five days to receive a project review depending on submission volume; plan ahead and don't leave work until the last minute!
 - If you do not pass a project on the first attempt, you can make changes and **resubmit your project** as many times as needed. There are no penalties for re-submitting a project.
 - If you submit your final project right before the final program deadline and it does not pass, you will not be able to re-submit the project if the final program deadline has passed. (There is only ONE deadline ... and that is September 17th, 2020 for the entire program)
 - There is no way to "cancel" a submission if you accidentally submit your project prematurely. You will need to wait until the project comes back rejected and marked as "requires changes" to resubmit.

Frequently Asked Questions

Q. Will I be penalized for missing a project deadline?

A. The projects are soft deadlines - no penalties if you miss them! However, we recommend staying as close to them as possible to ensure you graduate by your final program deadline of **September 17th, 2020.**

Q. Am I doing something wrong if my project doesn't pass on the 1st try?

A. Don't be disappointed if your project doesn't pass on the first try. Use it as a learning opportunity. Projects normally take 2-3 submissions before they pass.

Q. When will I receive my Nanodegree certificate?

A. Once you have completed and passed all your projects, you will be prompted to go through the graduation process. Upon graduation, you will receive an electronic certificate that can be accessed through your classroom.

Frequently Asked Questions (Cont.)

Q. How do I graduate?

A. You will graduate once all technical projects have been submitted, you must complete every technical project in order to graduate - no exceptions!

Q. Do I need to complete all concepts and quizzes to graduate?

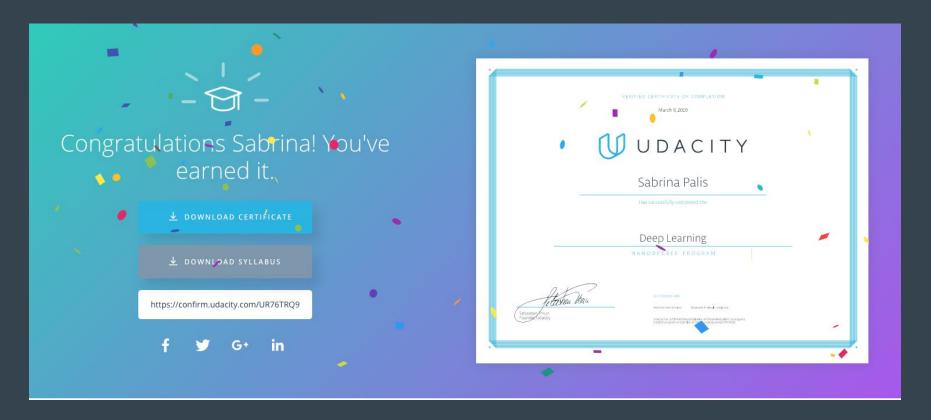
A. No. You can still graduate even if you skip concepts or quizzes. However, many of these are important in helping you solidify your understanding of the concepts you will apply in the projects, we recommend completing all of them.

Q. Are the concepts and projects in Phase 2 more difficult than in Phase 1?

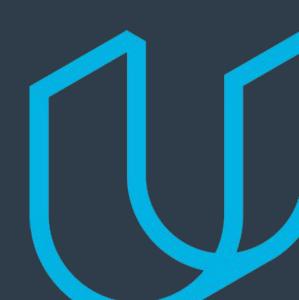
A. You may find certain projects more difficult than others, and students generally report that Phase 2 is more challenging overall. But remember, you have lots of support from your community and Udacity, so don't give up even if you feel discouraged!

The goal: A Nanodegree Certificate! 💉





Plagiarism and Academic Honesty



Academic Honesty

Udacity takes academic honesty and plagiarism very seriously. For a comprehensive overview and examples of what constitutes academic dishonesty, visit the <u>Udacity Support</u> page.

Plagiarism in any form is a violation of the <u>Udacity Honor Code</u>. If after review of the suspected plagiarism, Udacity determines that the work is not your own, you will be notified and the submission will be rejected. **If you break the Udacity Honor Code, you may face expulsion from your Nanodegree program or the Udacity platform,** or have your graduation credential revoked if plagiarism is discovered after you graduate.

It is **YOUR** responsibility to know what constitutes plagiarism. Unsure? Ask your peers or a Student Hub Community Manager before submitting a project.

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What Counts as Academic Dishonesty?

Copying another person's code verbatim and submitting it in a project

Copying code or using code that has been provided for you and approved for use in your project by Udacity

Working on a project with a peer, writing code together that overlaps, and submitting it as two separate projects

Using someone else's code and providing the name of the person it belonged to as credit to their work







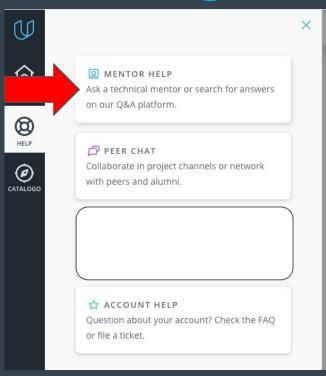


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Phase 2 Resources



Knowledge

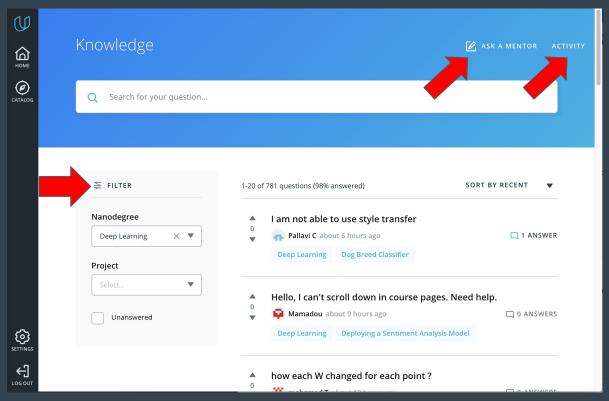


THINGS TO KNOW:

- Knowledge is your one-stop shop for any and all help.
- Access Knowledge by clicking "Mentor Help" under the Help section in your classroom!
- Reply times are fast! Usually within a couple of hours
- Think of this tool like an online Live FAQ where you can get answers to technical questions.

Knowledge (Cont.)

Knowledge is designed to assist you with your technical questions! Open 24/7 — Mentors are here to help you!

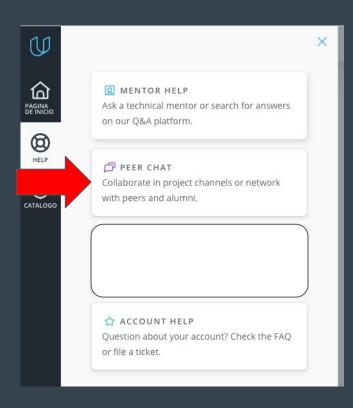


But how do I use it?

- You can ask a Mentor any question by clicking the "Ask a Mentor" button.
- View your archived Q & A's in the "Activity" section.
- Always be resourceful!
 - Use the filter to search and ask for questions before asking a mentor. Someone most likely has already asked!

Student Hub

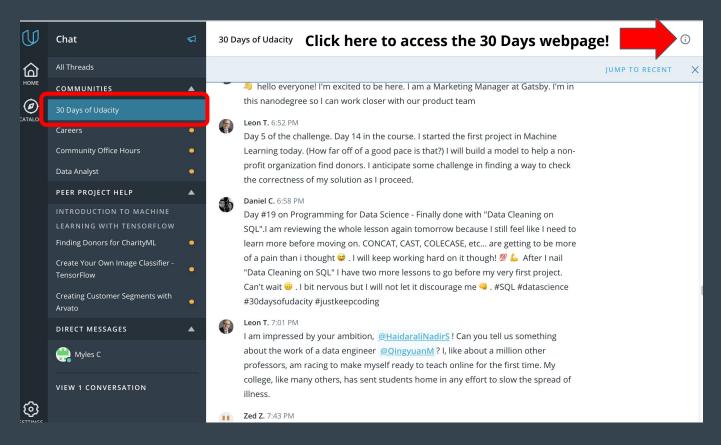
The in-classroom chat platform that connects you with fellow students



THINGS TO KNOW:

- Student Hub is your replacement for your Phase 1 Slack Community space
- Access Student Hub by clicking "Peer Chat" under the Help section in your classroom!
- There are a few main Community Channels
 - 30 Days of Udacity
 - Careers
 - Community Office Hours
 - Project Channels

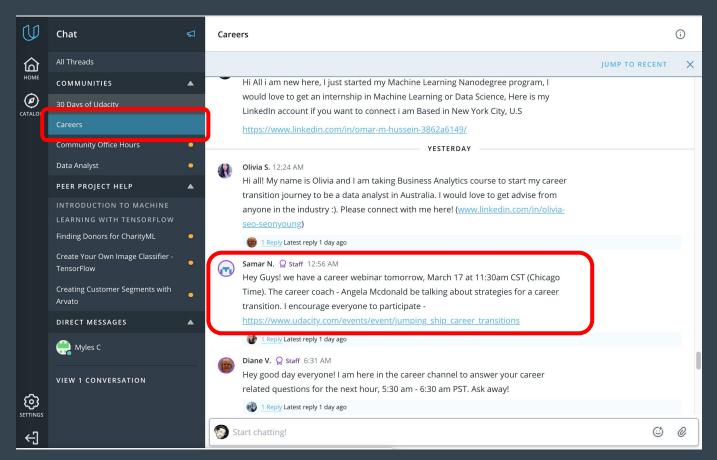
Student Hub (30 Days of Udacity)



30 Days of Udacity is very similar to what we did during Phase 1 with 60 Days of Udacity:

- Pledge to study for 30 days and document your journey in this channel every day
- Take the pledge at bit.ly/30Pledge
- Learn more at <u>bit.ly/30-days-of-ud</u> <u>acity</u>

Student Hub (Careers)

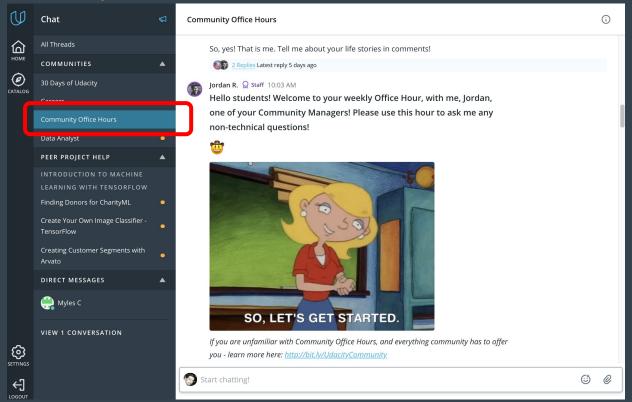


For Udacity career coaching, webinars, events, and anything related to job search support.

 Look for staff in Student Hub like Samar to post about career webinars and events!

Student Hub (Community Office Hours)

Connect with classmates from every Nanodegree program and stay informed with announcements from your Community team!



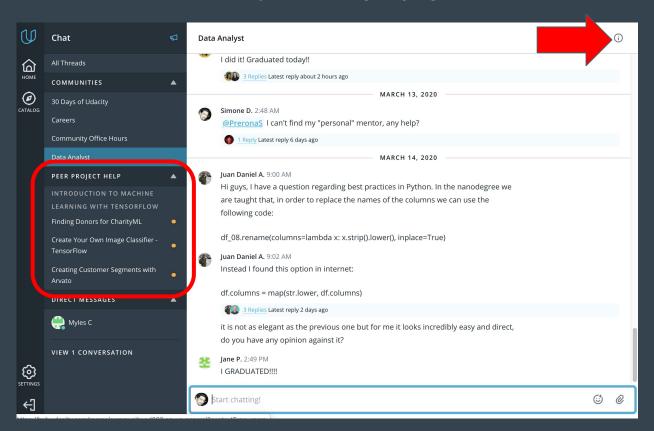
Community Office Hours happen twice a week!

Every Tuesday with Prerona S. 9:30 - 10:30 PM PDT Wed., 4:30 - 5:30 AM GMT Wed. 10 AM - 11 AM IST

Every Thursday with Jordan R. 10 - 11 AM PDT 6 - 7 PM GMT 11:30 PM - 12:30 AM IST

Student Hub (Project Channels)

Connect with all students in your Nanodegree program



Under the Channel Information you can access helpful links and project descriptions

- In the member lists, you can find your peers
- Find people who have passed that particular project with a green check mark added to their names in the right panel)



Advice from Past Udacity Graduates!



Top 10 Tips for Finishing Early

- Rely on the Community
- 2. Take notes
- 3. Take short breaks
- Study a few hours every day
- Remember why you are here
- Manage your time
- Focus on concepts
- Refuel
- 9. Keep moving when it gets hard
- Focus on projects!

You've got this!

TOP 10 TIPS TO FINISH FARLY



RELY ON THE

Pavitra Chari

TAKE NOTES 2

"Handwritten notes help you commit more information to memory and make the material easier to understand." _Maxwell

TAKE SHORT BREAKS

"I take breaks as a reward for my A STUDY A FEW HOURS work." Victor Babanivi "Use the Pomodoro technique. Study in intervals of 25 minutes followed by 5 minutes breaks." Carlo David

EVERY DAY

"Reach out to the community if

you need help. No man is an

community. There are tons of

resources shared or created by other students to help you."

Island," Tam Tolofari "Lean on and learn from the

"Be input oriented and not output oriented. Don't say: 'I will finish lesson 2 today.' Say: 'I will study 2 hours today'." Carlo

MANAGE YOUR TIME

"Make 'Have to do', 'Should do'

REMEMBER WHY YOU 5

ARE HERE

"Remind yourself of how happy you were when you got selected for this opportunity and hold on to that feeling." Calincan Mircea

through them in that order."

and 'Want to do' lists and go Yaroslav Porshnev "Turn off distracting apps and focus on studying." _Marek

FOCUS ON CONCEPTS #7

"Don't get stuck up on details. Try to get general understanding of the problem." Marianna

"You don't need to remember all the codes or formulas. lust understand the concepts behind them and know how they work." Mohamed Nagy

8 REFUEL

" Sleep, socialize, watch TV, exercise, refuel! With the course, go all in, but remember: you can't go anywhere without fuel." Anna

9 KEEP MOVING WHEN

"Don't get stuck on any topic. If "Read through each project's you don't understand something. try moving on and come back

later." Sara Lane "If you don't understand a topic, don't panic. Go back 1 or 2 videos." Florin Cioloboc

"You were one of the lucky applicants to be selected from [thousands of] people so we know you have what it takes!" Brenda [Udacity Community Manager]

FOCUS ON PROIECTS 10

introduction before starting a lesson to get an understanding of the requirements and keep those in mind as you go through the lesson." _Berenice Terwey

Let's wrap it up...!

When does Phase 2 end?

The deadline for completing the Nanodegree Program is September 17th, 2020

Do I need to complete all the coursework?

Yes, if you want to graduate. All coursework must be complete by September 17th, 2020

Best of luck everyone!!



Q&A

