



# Anaconda/Jupyter Notebook

<https://www.anaconda.com/products/individual>



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The screenshot displays the Anaconda Navigator application window. The interface includes a top menu bar with 'File' and 'Help', and a 'Sign in to Anaconda Cloud' button. A left sidebar contains navigation options: 'Home', 'Environments', 'Learning', and 'Community'. The main area shows a grid of application cards under the heading 'Applications on base (root) Channels'. A blue circle highlights the 'Jupyter Notebook' card.

Application	Version	Action
CMD.exe Prompt	0.1.1	Launch
JupyterLab	2.1.5	Launch
<b>Jupyter Notebook</b>	6.0.3	Launch
Powershell Prompt	0.0.1	Launch
Qt Console	4.7.5	Launch
Spyder	4.1.4	Launch
Glueviz	1.0.0	Install
Orange 3	3.26.0	Install
RStudio	1.1.456	Install



# Anaconda/Jupyter Notebook

Anaconda Navigator - □ ×

File Help [Sign in to Anaconda Cloud](#)

**ANACONDA NAVIGATOR**

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base (root) ▶

All Channels Update index... pytorch X

Name	Description	Version
<input checked="" type="checkbox"/> _pytorch_select	Metapackage for establishing variant priority in pytorch variants.	<a href="#">0.1</a>
<input checked="" type="checkbox"/> pytorch	Pytorch is an optimized tensor library for deep learning using gpus and cpus.	<a href="#">1.4.0</a>

Create Clone Import Remove



**COMPUTER SCIENCE  
& ENGINEERING**  
TEXAS A&M UNIVERSITY

# Welcome to Data Analytics for Cybersecurity!

**Dr. Martin “Doc” Carlisle**



## What this course is

- Combo of machine learning and cybersecurity
- Will look at a large number of research papers in the field
  - You'll learn basic data science techniques (statistical and neural networks)
  - You'll learn how they are used for cybersecurity problems
  - You'll write your own paper as a final project



## Graded Events

- Homework 30% (4 of them)
- Participation 5%
- Final Project 30% (group)
- 1<sup>st</sup> Exam 15%
- 2<sup>nd</sup> Exam 20%
- (No final exam- final project presentations last week of classes and during final exam period)



# Some thoughts

- Read the paper before coming to class!
  - Would like to discuss ideas instead of just talking at you
- I love questions! (Don't be afraid of looking dumb)
- I want to know your name
  - But please help me!
    - "There's often an issue with calling on the same people over and over (generally the teacher's pets, or most active students)"
- Let's do lunch!
  - Or come to my office hours, or set up an appointment, or chat on Discord, or ....
- Don't wait for the end of course evaluations if something's not working for you



# About me

3<sup>rd</sup> semester at Texas A&M  
previously US Air Force Academy, Auburn, Carnegie Mellon  
Computer Security person  
Founded AF Academy Cyber Competition Team  
Education Director, picoCTF  
Faculty Advisor, TAMUctf  
Faculty Advisor, TAMU Cybersecurity Club



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## Meet the Air Force's future cyber force

By Sean Lyngaas | Mar 12, 2015



COLORADO SPRINGS, COLO. -- The young Air Force Academy cadets are glued to their computer screens, staring at jumbled lines of code. One is trying to hack a website in a competition sponsored by the Pentagon's research arm. Another is working on reverse-engineering problems generated by a Korean website.

A soft-spoken professor looks on, while his understudy, a man in his early 30s with a Ph.D. from Oxford University, helps cadets in another corner of the room.



## Find the things

- Canvas (<https://canvas.tamu.edu>) – syllabus, assignments, grades, discussion (replacement for e-campus)
- Gradescope (<https://Gradescope.com>) – submit assignments – linked from Canvas
- **Discord**
  - <https://discord.gg/ahCRRyz7uD> (today!)
  - Tag me if you want a reply from me



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CYBERSECURITY

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## Engineering student team takes second in virtual embedded security system competition

May 3, 2021 | By Stephanie Jones