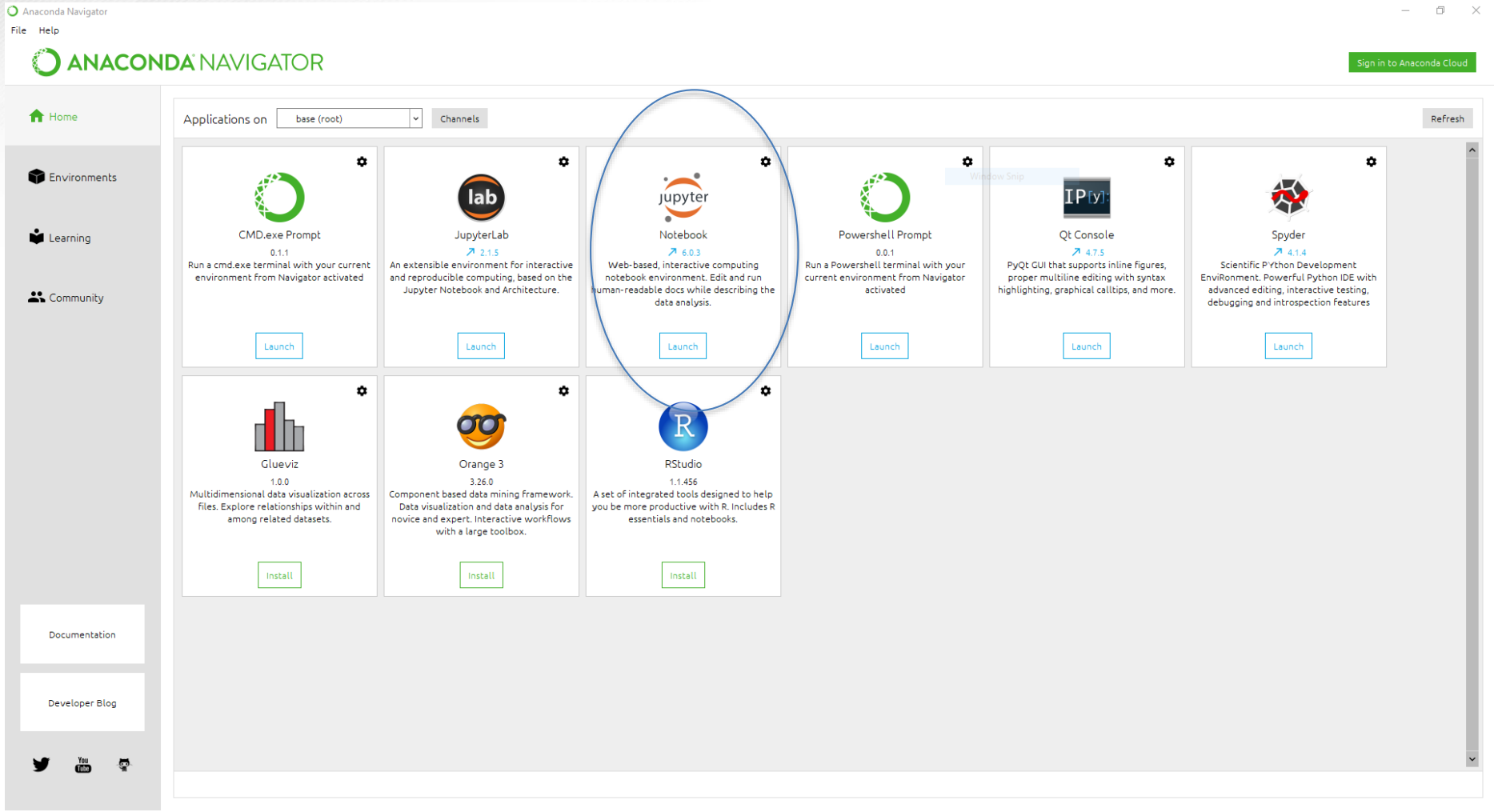
Anaconda/Jupyter Notebook

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

Anaconda/Jupyter Notebook



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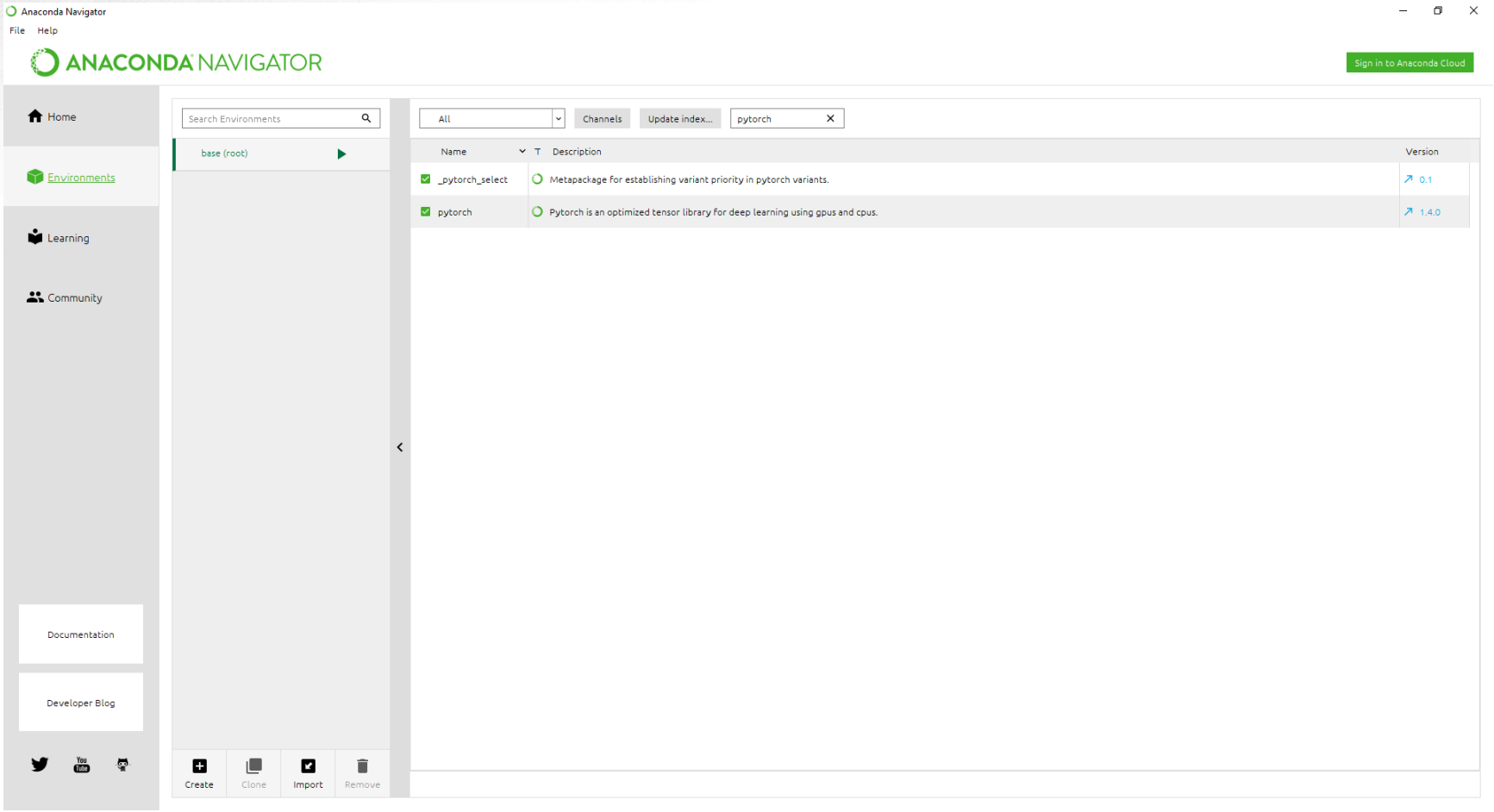

COMPUTER SCIENCE
& ENGINEERING
TEXAS A&M UNIVERSITY

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)
- 1st Exam 15%
- 2nd 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

3rd 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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CYBERSECURITY

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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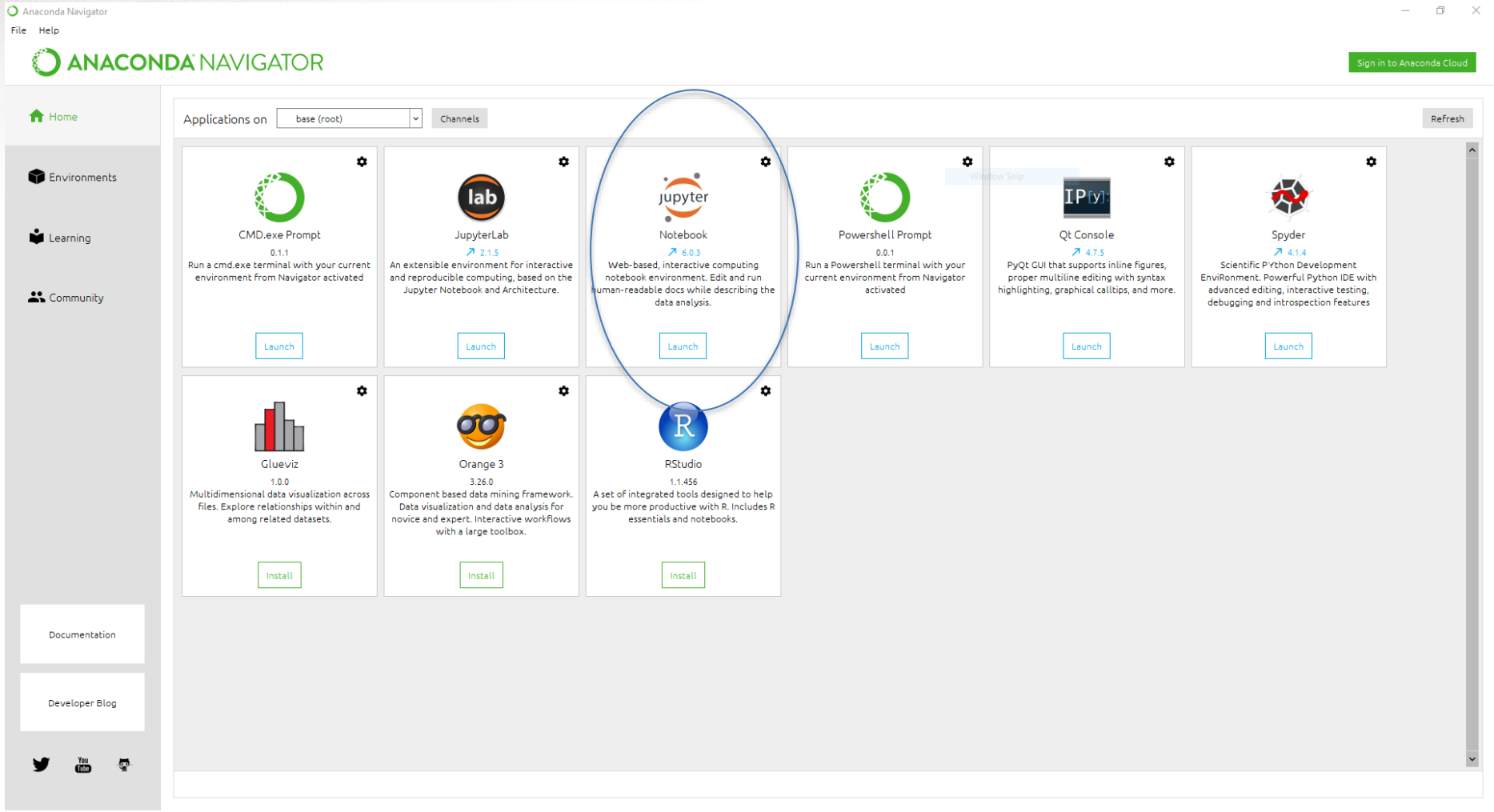

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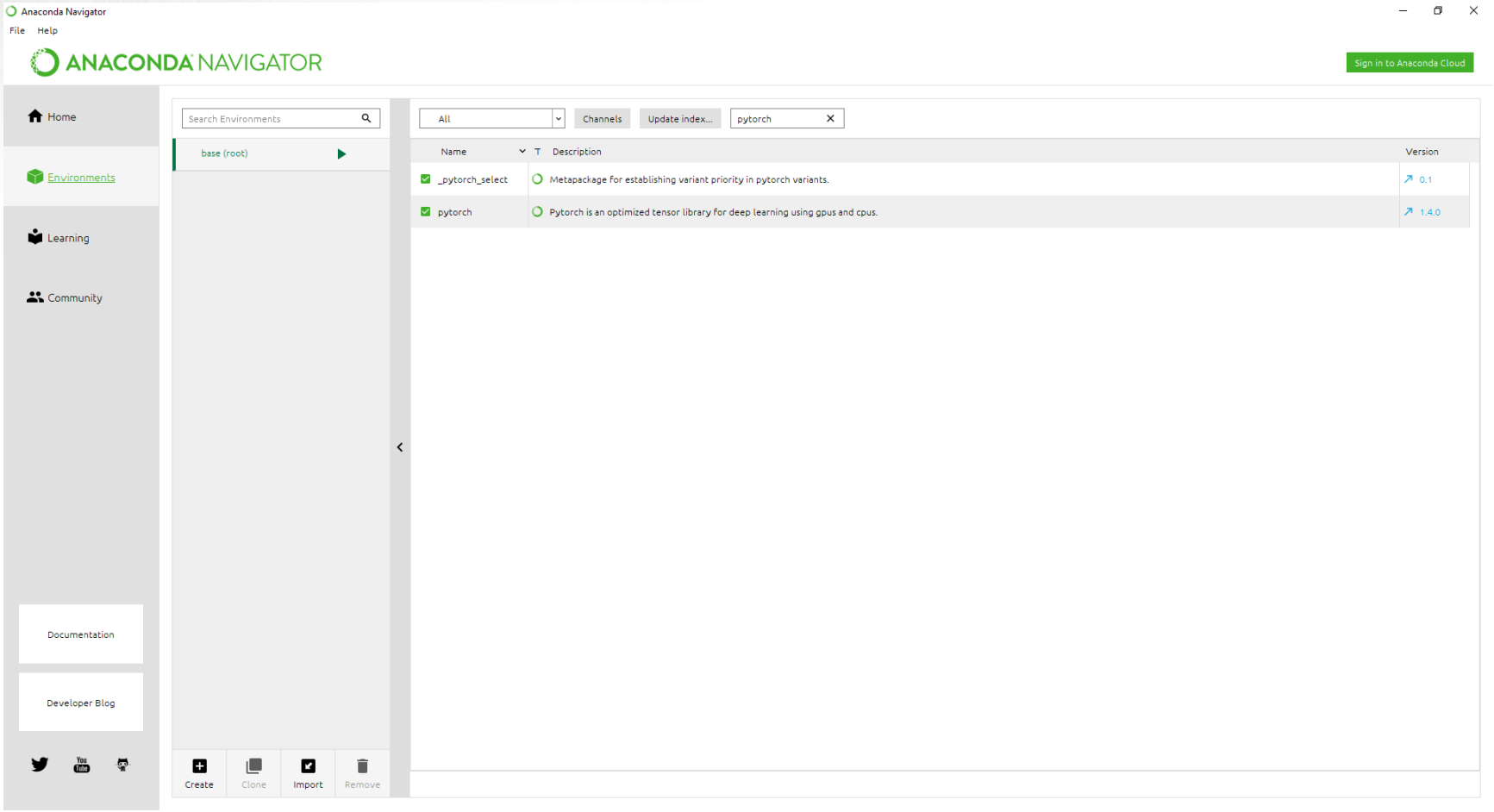

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Engineering student team takes second in virtual embedded security system competition

May 3, 2021 | By Stephanie Jones