

# **CSCE-50103**

## **Full-Stack Deep Learning**

# **Class Overview**

Spring 2025

Prof. Khoa Luu  
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# **Reading**

## **Textbook - Research Papers**

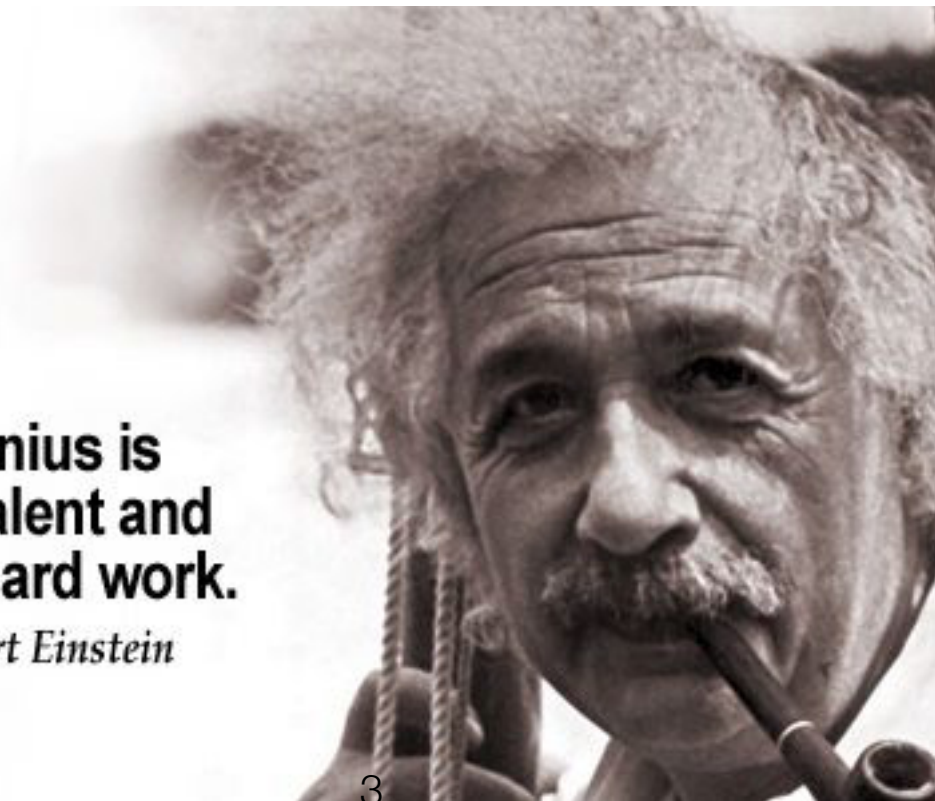
a lot of reading  
a lot of questions  
a lot of discussion

# Assignments - Projects

a lot of programming  
hours and hours of programming  
days and days of debugging

**Genius is  
1% talent and  
99% hard work.**

*Albert Einstein*



# Class Info

- Course Website:

<https://uark-cviu.github.io/classes/csce50103/>

- Homework/Project Submissions: Blackboard

# Class Info

- Instructor: **Prof. Khoa Luu**

Website: <https://engineering.uark.edu/directory/profile/uid/khoaluu/name/Khoa+Luu/>

Email: [khoaluu@uark.edu](mailto:khoaluu@uark.edu)

- Co-Instructor: **Dr. Thanh-Dat Truong**

Website: <https://truongthanhdat.github.io/>

Email: [tt032@uark.edu](mailto:tt032@uark.edu)

# Class Info

- Time: Tuesdays, Thursdays, 9:30 A.M - 10:45 A.M
- Place: JBHT Sr Des/Capstone - Room 0239
- Lab: TBA
- Office hours: Tuesdays, 12:00 P.M - 12:30 P.M
- Office Location: JBHT - Room 521

# Course Requirements

- Four (individual/group) Assignments
- Midterm Exam
- Final Project (Presentation + Program + Report)

# Programming Languages

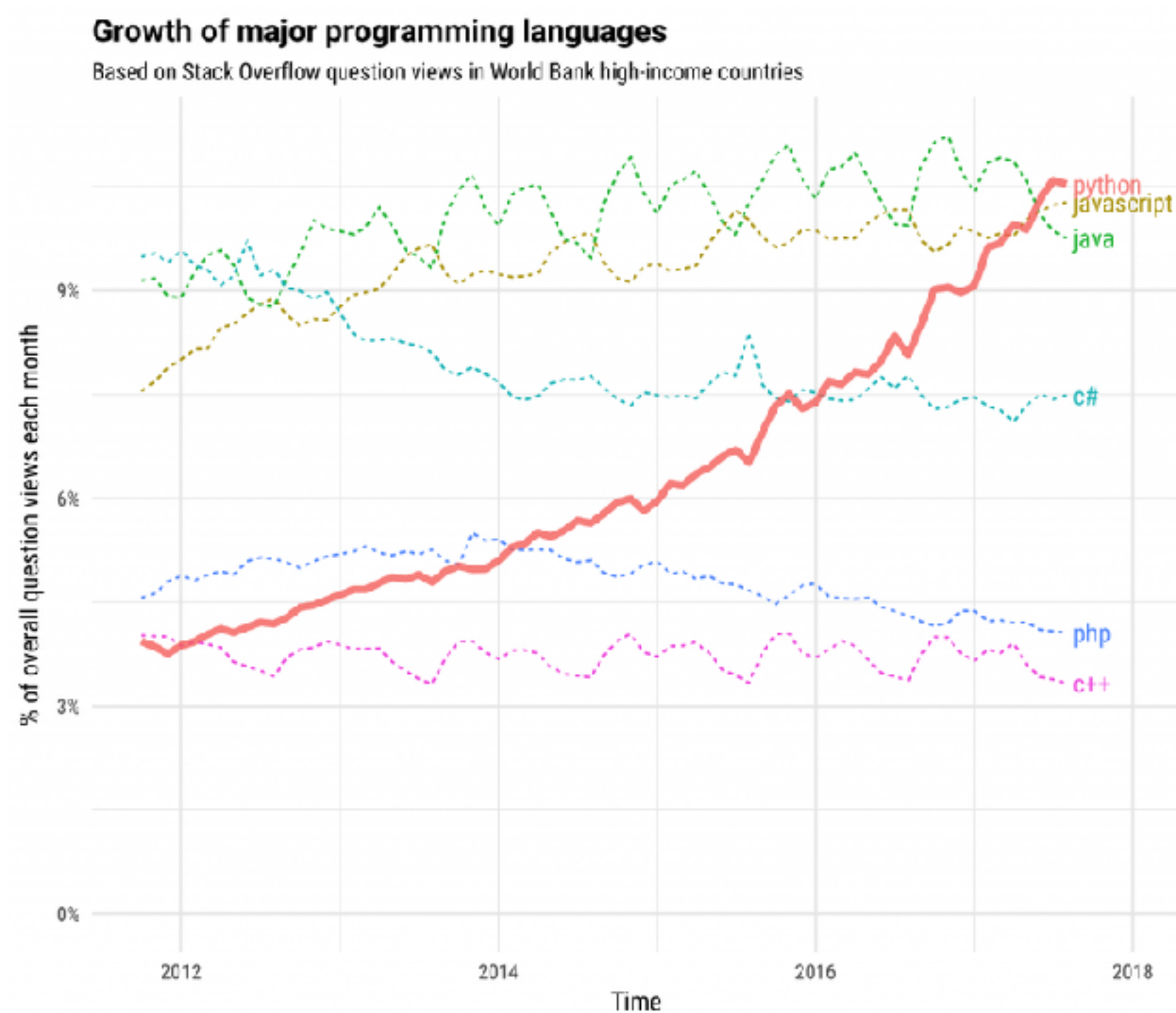
Any, but prefer:

- Python (Highly recommend)
- C/C++ (OpenCV)
- Matlab
- Java



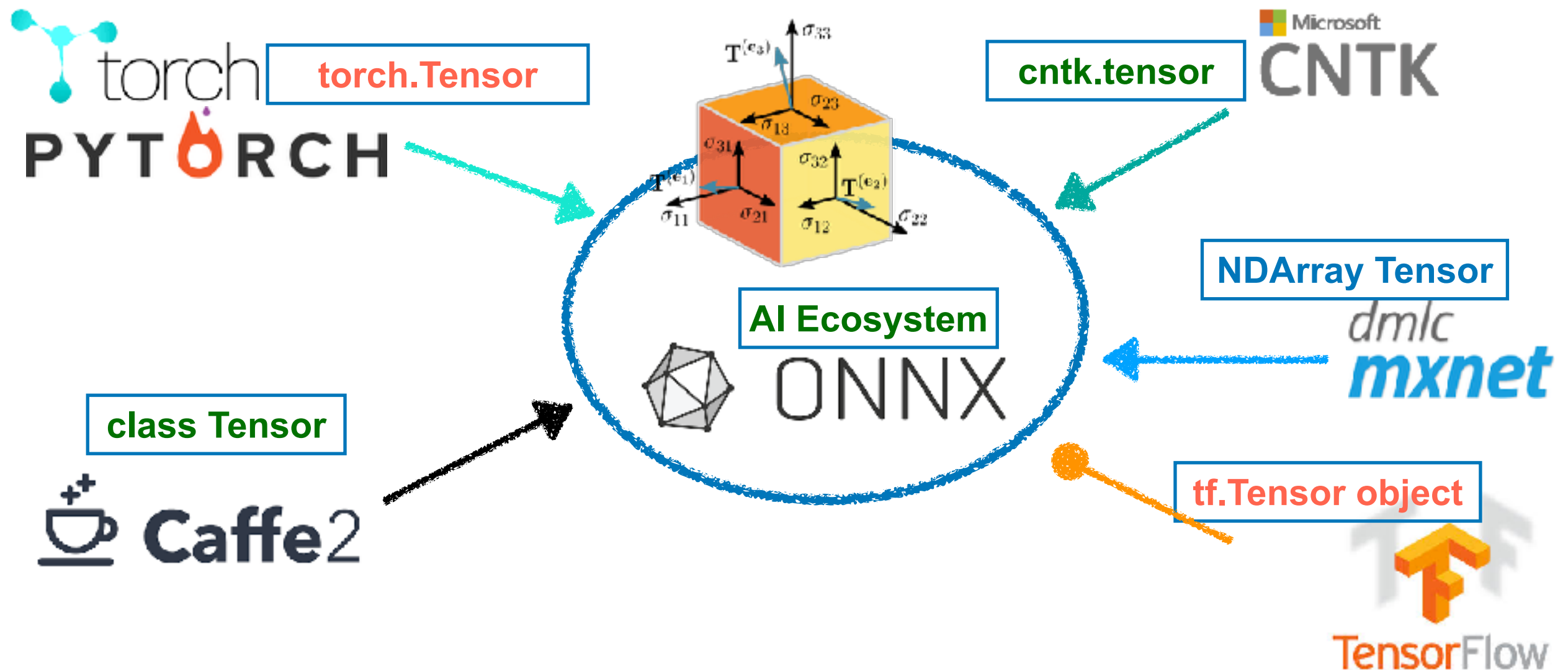


# Programming Languages



# Deep Learning Framework - Python

- Most recent Deep Learning Frameworks (Computer Vision and Image Processing) fully support Python



# Grading

- Class Participation: 2%
- Assignments: 40%
- Midterm Exam: 18%
- Final Project: 40%

# Approach

- Grading based on absolute scale
- Getting an A v.s mastering the materials
- Take advantage of extra credits
- Build your resume with meaningful project experience

# Late Days

- 5 late days in total
- 3 days per assignment/project maximum use
- Use them wisely (save them for final project!)

# Course Materials

- Check the website frequently
- Update forum discussions (Be active)
- Use office hours