Intro to Computer Vision: Hackpack

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Workshop Lead Contact

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Pre-Workshop Checklist

- Review the Workshop Syllabus and brush up on prerequisite knowledge

- Optional: Be comfortable with python

- Optional: Own a google/gmail account to access Google CoLab

- Very optional: Install your code editor of choice (VSCode, IntelliJ IDEA, Atom, and Sublime are all good options)

- Very Optional: Install jupyter notebook, pytorch, and detectron2

- Get ready to learn! 👩‍🎓

Additional Resources

Workshop-Specific Resources

Slides & Code - Notebook in repo and hosted on CoLab here.

Detectron2

Repo

Advanced CoLab tutorial from authors. They go into detail how you can use Detectron2 as the basis for a new model to be trained.

Other Ready-To-Use Models

Browse papers alongside pretrained models. The workshop notebook pytorch loading example will come in handy.

Computer Vision Courses

UWaterloo: CS484, prereqs (AMATH 242/CS 371 or CS 370) and STAT 230 or STAT 240. Strong linear algebra background will be valuable.

Udacity

Coursera

Interesting Papers

There's a great reddit thread with tons of papers I am also slowly getting through!

There are also lists on Github:

- terryum's "Awesome Deep Learning Papers"
- Floodsong's "Deep Learning Papers Reading Roadmap"

General Resources

Hack the North 2020++ Event Schedule

Check this out to stay up-to-date on activities, workshops, and other key happenings this week.

All Hack the North 2020++ workshops