Computer Vision

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EENG 512 / CSCI 512
Computer Vision

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Outline for today

• Introduction and roster
• Syllabus
• Introduction to computer vision (Ch 1 in book)
• Matrix algebra exercises
• Matlab exercises
Lectures

• Format
  – Lecture material is primarily PowerPoint presentations ... slides (and videos) are on the course website.
  – This course will be run in a partially “flipped” mode, meaning that for some classes, you are expected to watch video lectures at home at your own pace, and class time will be used primarily for working through problems and examples.

• Computers
  – You can follow along on the computers during class.
  – We will also use the computers for in-class exercises.
  – However, please don’t do non-class related activities on the computers (email, Facebook, web-surfing, etc).
Matlab

- We will use Matlab in class and for homework
  - It’s on all computers in Brown Hall (you need an “adit” logon)

- For next time
  - Make sure you have a logon to the PCs in Brown Hall
  - Alternatively you can use your laptop in class if it has Matlab and the Image Processing Toolbox installed

- You can get your own copy of Matlab
  - Student version is $99 from [http://www.mathworks.com](http://www.mathworks.com)
  - Comes with some toolboxes, including image processing

- If you are not familiar with Matlab
  - Look at tutorials