CSE115 / CSE503
Introduction to Computer Science I

Dr. Carl Alphonce

343 Davis Hall

alphonce@buffalo.edu

Office hours:

Tuesday 10:00 AM – 12:00 PM (*)

Wednesday 4:00 PM – 5:00 PM

Friday 11:00 AM – 12:00 PM

OR request appointment via e-mail

PROFESSIONALISM

Until we do an interactive exercise or a poll, turn off and put away electronics:

cell phones

pagers

laptops

tablets

etc.

Class today

- Advice
- Course in context
- Representations

Coming up

- Overview
- Gates

ANNOUNCEMENTS

Recitations do NOT meet this week or next.

https://zybooks.zyante.com/

code: BUFFALOCSE115AlphonceFall2016

https://ixlearn.com/

code: SLYMNE

(problems? Contact support at support@ixbooks.com for help.)

If you don't have a portable device for accessing internet, let me know.

ANNOUNCEMENTS

Readings from zyBook posted on course website:

http://www.cse.buffalo.edu/faculty/alphonce/cse115

For Friday, read through these sections:

1.1, 1.6, 1.7, 1.8 and 1.9

We are skipping some sections for now, but will return to them soon. We are skipping the ones for which we haven't yet covered the background material.

Unit exam details

Unit exam #1: Tue Oct 4 @ 8:45 PM

Unit exam #2: Tue Nov 15 @ 8:45 PM

Specific room assignments will be given in the week before each exam. Conflict information will be requested then as well.

ADVICE

Get involved!

Student organizations

ACM student chapter

SWE student chapter

Robotics Club

Scientista

More at: www.eng.buffalo.edu/undergrad/resources/club-directory

Let faculty know you

Office hours

UG research / projects

ADVICE

Internships / summer jobs

Summer REUs

Research Experiences for Undergraduates

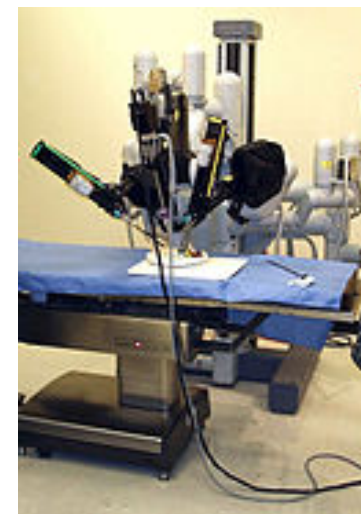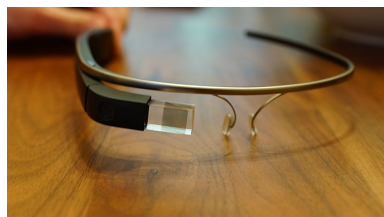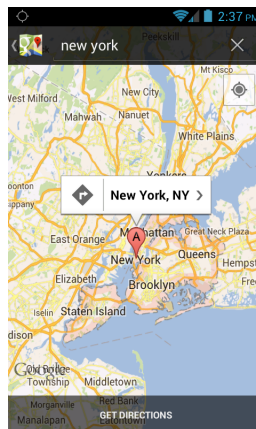Read e-mail from department

Donna Grant (CSE advisor, Davis 338R)

Prof. Atri Rudra (UG co-director, Davis 319)

Prof. Carl Alphonce (UG co-director, Davis 343)

internet
of
things

duoLingo

and chisels

University at Buffalo
The State University of New York

cse@buffalo

Photo Credits

Aside from the ones noted below the photos used are in the public domain, or are used in an allowable way (e.g. company logos).

The following photos are from the Wikimedia commons, licensed under a Creative Commons license.

Tom's Restaurant photo. Author/Uploader: Rick Dikeman
Suzanne Vega photo. Author/Uploader: Michal Maňas
Google driverless car photo. Author/Uploader: Steve Jurvetson.
Watson photo. Author/Uploader: Clockready
Google Glass photo. Author/Uploader: Tedeytan
Laparoscopic surgery robot. Author/Uploader: Nimur
Smartphone. Author/Uploader: Fetx2002
Google maps. Author/Uploader: Lobsterfinger.

The Fitbit Flex photo is from:
http://static0.fitbit.com/simple.b-dis-png.hf080e364fcb0572b9907eae9eebdfc3b.pack?items=%2Fcontent%2Fassets%2Fonezip%2Fimages%2Ffeatures-carousel%2Fflex%2Fflex_tile_02.png

The Microsoft HoloLens photo is from:
http://compass.xboxlive.com/assets/0f/eb/0feb7a56-f8c1-45e1-a412-a7edf8141f4e.jpg?n=Microsoft_Hololens_1200x630.jpg

Cool links re:MP3

A bit more history:

https://en.wikipedia.org/wiki/MP3

http://mentalfloss.com/article/19727/how-toms-diner-tuned-mp3

What the lost audio data sounds (and video data looks) like:

http://www.avclub.com/article/ghoulish-toms-diner-emerges-lost-mp3-compression-d-215549

And another one:

http://theghostinthemp3.com