LUC CS Seminar for Fall 2018

Can be found online through http://seminar.pac-lab.org

The Loyola University Chicago Computer Science Seminar is held on **Thursday at 4:15pm-5:30pm** on the lakeshore campus in **Doyle Hall garden level**, room 001 (moved from Cuneo Hall 311**)**. The seminar events are open to anyone, but can be taken by undergrads as part of a 1-credit seminar course (COMP 399). Drinks and healthy snacks will be provided.

Consider all topics tentative until one week before the event. Any questions please contact Prof Albert - mva @ cs.luc.edu. (food/snack rotation link)

Date	**Topic**	**Description / Speaker, and materials**
Aug 30	**Intro to Projects and Research in CS (including the CS seminar overview)**	Seminars and CS research overview: CS Seminar, Research Methods course, UNIV 102, and others. Also, Independent study (project and course-based versions), volunteer research, course-based projects, and internships - all explained Presentation slides [gSlides]. * Faculty interests and backgrounds overview - Faculty Bios [gDoc] * Set up snack rotation (optional).
Sep 6	Job ad vocabulary builder	An overview of the 40 most common technical keywords from 90 jobs ads: Web design, java programmer, and mobile developer [slides]
Sep 13	Web design project tips and discussion	A discussion centering on research-based web design guidelines from a past government review and associated text [slides] [see usability.gov]
Sep 20	CS faculty presentation: Web privacy and cybersecurity	Our newest faculty member, Eric Chan-Tin, will give a presentation on “Web Privacy” and will discuss his research in cybersecurity [slides]
Sep 27	CS-related groups available to students [Student interest form - now closed]	A discussion of on-campus student groups and off-campus professional groups that CS students participate in. Diego Perez for DON’T PANIC!, Eric Chan-Tin for cybersecurity club, Andy Harrington for Programming team, Anirrudh Krishnan for Homebrew, Janeen Soria for Girls Who Code

		[slides], Mark Albert for potential analytics group [potential questions]
Oct 4	Internship and independent research discussion	The following students will come to discuss their internship and research experiences: Max Dabek for Avanade, Adil Farooq for Sears Holdings, Javier Silva for El Hogar Del Nino, Brihat Sharma for the Prof. Dligach's lab in the ML Labs @ Loyola.
Oct 11	CS faculty presentations: Bioinformatics	Heather Wheeler, Catherine Putonti
Oct 18	CS & Stat faculty presentations: data science	Dima Dligach, Greg Matthews
Oct 25	How to learn from data	Ting Xiao presents an introduction to concepts in data mining and machine learning [slides]. (optional afterward: Jonathan Lewin, the Chief of the Chicago Police Department's Bureau of Technical Services with discuss how they leverage technology and acquired data to reduce crime and catch criminals in Cuneo Hall 210 at 6:00 - 7:30pm)
Nov 1 Location change	Loyola Health Sciences Campus Division of Medical Physics presentations New location for this week, Cuneo Hall 311	"**Image-Guided Cancer Therapies**" - John Roeske and "**Adaptive Radiotherapy**" - Murat Surucu Division of Medical Physics, Department of Radiation Oncology, Loyola University Medical Center
Nov 8	Careers in Computing Panel discussion	Ami Drory (Shirley Ryan AbilityLab), Aditya Ramani (Bulletin, formerly Sun Trading)
Nov 15	Seminar evaluation and end-of-seminar discussions	Short quiz to assess what has been learned (those in full attendance are expected to pass). See course intro slides for details

Additional seminar activities which may be included at the request of students participating:

- Introduction to collaborative tools in software design
- Web design / HCI guidelines (what CS students often lack in app building)
- Hackathons/Analytics competitions

- Intro to scientific computing
- Experimental design and statistical modeling
- Intro to research design and publication
- Invited class lectures (from elective courses only)
- Project and Time management tips/tools
- Cracking the coding interview: Practical tips for technical interviews, and how you can prepare
- Internship and independent research discussion

Presentation abstracts (in chronological order):