FINDING RESOURCES

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Part 1: BU Libraries
POP QUIZ:

How many libraries do you know?
• Libraries Hours:
  ○ [http://www.bu.edu/library/about/hours/](http://www.bu.edu/library/about/hours/)
  ○ Unfortunately, due to the Covid-19, all closed

• **BUT,**
  ○ Service available online!
Special to Computer Science:

- conference proceedings instead of journals.
BU Libraries: Computer Science Research Guide
http://library.bu.edu/c.php?g=528928&p=3617400

- Core Databases
  - Inspec
  - ACM Digital Library
  - CiteSeerX
  - IEEE Xplore
  - MathSciNet (American Mathematical Society)

- General Science/Engineering Databases
  - Engineering Village
  - arXiv.org
  - Web of Science
  - General Science Full Text
  - Google Scholar
BU Libraries: Computer Science Research Guide

http://library.bu.edu/c.php?g=528928&p=3617401

- eBooks
  - Computing
  - Software Development
  - Data Mining
  - ebrary
  - ScienceDirect
  - Wiley Online Library

- Books Not Available??
  - WorldCat Discovery
  - Interlibrary Loan
  - BLC Cards
  - Ask JD Kotula!
  - Suggest purchase!
Open Source Code and Software
- GitHub
- BitBucket
- SourceForge
- Google Open Source Projects
- Android Open Source Project
- The Linux Kernel Archives
- Mozilla Developer Network

Data Sets (also deposit)
- OpenBU
- Center for Applied Internet Data Analysis
- Stanford Large Network Dataset Collection
- Konect
BU Libraries: Other Service

- Reserve Course Materials (e.g. Textbooks)
  - [http://www.bu.edu/library/services/reserves/](http://www.bu.edu/library/services/reserves/)

- Guide for Writers of Theses & Dissertations
  - [http://library.bu.edu/theses](http://library.bu.edu/theses)

- Digital Scholarship Service
  - [http://www.bu.edu/disc/](http://www.bu.edu/disc/)
Part 2: Online Resources
LOADS OF SOURCES

... blog posts, Quora, lecture notes, Coursera, etc.
ONLINE LIBRARIES

JSTOR

WorldCat

Project Gutenberg

Open Library

LibreTexts
Wait, all the papers in your field are posted as free PDFs on ArXiv? That must be killing big scientific journals, since they charge such huge subscription/publication fees.

Nah, we've been doing it since the 90s and nobody seems to care.

That makes no sense at all!! Shhh, you'll jinx it!
ONLINE VIDEO LECTURES

- Great comprehensive content
- No geographic boundaries
- Some people learn faster
- Play and pause as many times as you like

And most importantly, if there’s a world-wide pandemic, they are our only hope!
SO, LOADS OF SOURCES

Wikipedia

Github

StackOverflow

... blog posts, Quora, lecture notes, Coursera, etc.
BUT CREDIBILITY?

Examples from https://www.youtube.com/watch?v=VXHQ2y8FIUQ

Who’s the author? What do they do? Are they an expert?

How's your stockpile?

A blog by Britt and Shinola

Have you given any thought as to who would feed you in the event of a zombie apocalypse? What if your human were killed or incapacitated? Or worse, if your human turned into a zombie and lacked the dexterity to open cans of cat food. Have you got a go bag with food and supplies in case you have to live on the run? Here’s advice for

Alli S. Khan

Bio

Biography

Rear Admiral Alli S. Khan, MD, MPH, is an Assistant Surgeon General and began leading the Centers for Disease Control and Prevention’s (CDC) Office of Public Health Preparedness and Response (OPHPR) in August 2013. Most recently, he was the Deputy Director of the National Center for Emerging and Zoonotic Infections Diseases (NCEZID) at CDC. Dr. Khan joined CDC and the U.S. Public Health Service Commissioned Corps in 1999 as an Epidemic Intelligence Service (EIS) Officer. Over the past decade, he has expanded his activities into numerous high profile domestic and international public health emergencies including humanitarian emergency operations, Ebola hemorrhagic fever, respiratory syncytial virus (RSV), the 2009 H1N1 pandemic, the initial public health response to Hurricane Katrina in New Orleans.

Dr. Khan’s professional career has focused on bioterrorism, global health, and emerging infectious diseases. He served as one of the main architects of CDC’s public health bioterrorism preparedness program which upgraded local, state, and national public health systems to detect and rapidly respond to bioterrorism. He designed CDC’s joint global field epidemiology and laboratory training program. Dr. Khan was an integral part of the design and
WHAT ELSE?

How recent is it?

Contact Information?

Preparedness 101: Zombie Apocalypse

Posted on May 16, 2011 by Ali S. Khan

Walking Dead fans, check out our latest post: http://www.usa.gov/1DAQ1C

There are all kinds of emergencies out there that we can prepare for. Take a zombie apocalypse for example. You may laugh now, but when it happens you'd be happy you read this, and hey, maybe you could use it in an emergency.
WHAT ABOUT ACADEMIC PUBLICATIONS?

Again, who are the authors?

The Random Walking Dead: Effects of urban street network topology on rates of infection spreading in zombie epidemics *

Ashley Ball†  Deepa Rao†  Robert Haussman‡  Sean P. Robinson†  
June 21, 2013

We examine the effects of the complex structure of urban surface road transportation networks on the rate of infection spread through the human population in a hypothetical outbreak of an apocalyptic zombie epidemic. Various cities and urban spaces have diverse layouts and networks patterns (i.e. a grid layout versus a naturally evolved street network). We explore how network topology—the dynamics of a network—influences the spread of a zombie epidemic throughout an urban system. We find that a normal city street network fares about as well as a simple 2d grid, but inhibits infection-propagation as compared to random and scale-free networks.

*Report to the NECSI Summer School on Complex Systems Modeling and Networks, June 17-21, 2013  †Vanderbilt University and Johns Hopkins University  ‡Georgetown University  §Carnegie Mellon University  †MIT Dept. of Physics

Affiliations 😊

But, no credentials/contacts 😞

Source: http://webmit.edu/spatrick/Public/ZombieNECSI-SS13/Zombies2-NtWk.pdf
WHAT ABOUT ACADEMIC PUBLICATIONS?

Research Data!

Also important - Where was it published, if at all? Peer-reviewed?

References!

Part 3: Greater Research Community
● Conferences
  ○ Main conference
  ○ Tutorials
  ○ Workshops
  ○ Demos
  ○ Doctoral Consortium
● How can we benefit most from conferences?

○ Get feedback of your latest work
○ Get to know other people in your field
○ Hear about the latest research
○ Improve your presentation and communication skills
○ Visit a new place and have fun

○ Your experience and idea?

Source: https://conferencemonkey.org/insight/8-benefits-of-attending-conferences-1038397
Building network in the research community

- Send your poster or slides around as an email
- Propose a collaboration
- Ask questions after talks
- Network with people of all levels of seniority
- Follow up

Seminars

- Seminars at BU
  - AIR Seminars, POPV Seminars, ...
- Why is it important?
  - A great place to test out some new ideas
● **Internship**
  ○ Reasons to do an internship during your PhD programme
  ○ What is the best time to do an internship?
THANKS!
Other questions?