ITM STUDENT RESOURCES: IT PROFESSIONAL DEVELOPMENT LINKS

HANDBOOKS & ACTIVE DOCUMENTS | **ADVISING & BULLETINS** | **PROSPECTIVE STUDENTS** | **TRANSFER STUDENTS**

OPTIONAL DOCUMENTS | **DRAFT DOCUMENTS** | **WORKING PAPERS** | **MORE PAGES** | **OTHER RESOURCES**

IT & Cyber Web Resources

Digital Literacy Sites

New to computing? Here's help on the basics:

- DigitalLearn.org - https://www.digitallearn.org/
  Use a computer to do almost anything.
- Coursera - Information & Digital Literacy for University Success - https://www.coursera.org/learn/digital-literacy - Free!
- LinkedIn Learning - These courses appear to be free from Microsoft
  - Working with computers to create opportunity https://www.linkedin.com/learning/working-with-computers-and-devices/
  - Working and Collaborating Online - https://www.linkedin.com/learning/working-and-collaborating-online/
- Microsoft Digital Literacy - https://www.microsoft.com/en-us/digital-literacy
- Google Applied Digital Skills - https://applieddigitalskills.withgoogle.com/s/en/learn

Support Sites

Ask questions when you're stuck

- Stack Overflow - https://stackoverflow.com
- SuperUser - https://superuser.com/
- LeetCode - https://leetcode.com
- Reddit - https://www.reddit.com (Yes, there's probably a subReddit for that, whatever "that" is)

Tech News

- *Ars Technica* – https://arstechnica.com/
- *CIO* – http://www.cio.com/
- *CNET* – https://www.cnet.com/
- *Computerworld* – https://www.computerworld.com/
- *Engadget* – https://www.engadget.com/
- *Forbes* Innovation – https://www.forbes.com/innovation/
- *Gizmodo* – https://gizmodo.com/
- *InfoWorld* – https://www.infoworld.com/
- *Information Week* – https://www.informationweek.com/
- *Lifehacker* – https://lifehacker.com/
- *PC Magazine* – https://www.pcmag.com/
- *PC World* – https://www.pcworld.com/
- *Slashdot* – https://slashdot.org/
- *TechCrunch* – https://techcrunch.com/
- *Technology Review* – https://www.technologyreview.com/
- *The Next Web (TNW)* – https://thenextweb.com/
- *The Register* – https://www.theregister.com/
- *The Verge* – https://www.theverge.com/
- *TIOBE* Index (programming language popularity) - https://www.tiobe.com/tiobe-index/
- *Vox* Technology (Formerly *Vox* Recode) – https://www.vox.com/technology
- *Y Combinator news* – https://news.ycombinator.com
- *ZDNet* – https://www.zdnet.com/

Resource Sites

- *CodePen* – https://codepen.io
- *GitHub* – https://github.com
- *Gizmo's Best* (removed because the site is no longer functional)
- *Kaggle* (AI & ML) – https://www.kaggle.com/
- *Linux Foundation* – https://training.linuxfoundation.org/resources/
- *TechRadar* – https://techradar.com/
- *TechSpot* Downloads – https://www.techspot.com/downloads/
- *W3Schools* – https://www.w3schools.com

Subscription sites with a lot of free or sponsored content

- *Gartner* – https://gartner.com
- *GigaOm* – https://gigaom.com/
- *Info-tech Research Group* – https://www.infotech.com/
- *TechRepublic* – https://www.techrepublic.com/
- *TechTarget* – https://www.techtarget.com/resources/

Cybersecurity Sites

- *CSO Online* - https://www.csoonline.com/
- *Cyber Magazine* - https://www.cybermagazine.com/
- *Cybercrime Magazine* - https://cybersecurityventures.com/

- Cybersecurity Industry Associations - *Cybercrime Magazine* - https://cybersecurityventures.com/cybersecurity-associations/
- *Cybernews* - https://cybernews.com/
- Cybersecurity and Infrastructure Security Agency - https://www.cisa.gov/
  - CISA News - https://www.cisa.gov/news-events/news
  - CISA Alerts & Advisories - https://www.cisa.gov/news-events/cybersecurity-advisories
- *Dark Reading* - http://www.darkreading.com/
- *The Hacker News* - https://thehackernews.com/
- IT Security Guru - https://www.itsecurityguru.org/
- *Infosecurity Magazine* - https://www.infosecurity-magazine.com/
- Krebs on Security - http://krebsonsecurity.com/
- National Cybersecurity Student Association - https://www.cyberstudents.org/
- NIST Computer Security Resource Center News & Updates - https://csrc.nist.gov/news
- NIST National Vulnerability Database - https://nvd.nist.gov/
- Schneier on Security - https://www.schneier.com/
- *SecurityWeek* - https://www.securityweek.com/
- WiCyS - Women in CyberSecurity - https://www.wicys.org/

Learning Sites

- Alison - https://alison.com/courses/it
- Cisco Networking Academy - https://www.netacad.com/- Many courses are free, online, and self-paced.
- CodeProject - https://www.codeproject.com
- Coursera - https://www.coursera.org/
- edX - https://www.edx.org
- freeCodeCamp - https://www.freecodecamp.org
- IBM Training - https://www.ibm.com/training/free
- Kaggle (AI & ML) - https://kaggle.com
- learnpython.org - https://www.learnpython.org/
- Linux Foundation - https://training.linuxfoundation.org/resources/free-courses/
- Open Learning Initiative, from Carnegie Mellon University - https://oli.cmu.edu/
- Skills for All / Cisco Networking Academy - https://skillsforall.com/ - Free cybersecurity and networking courses from Cisco.
- Udemy - https://www.udemy.com
- LinkedIn Learning (formerly Lynda.com) - https://learning.linkedin.com/
  (Not free but useful; paid for by employers, or $239.88/year, or included in LinkedIn Career membership @ $479.88/year.
  It is free if you have a Chicago Public Library card—details are at https://www.chipublib.org/news/linkedin-learning-now-available-to-cpl-adult-cardholders/).

How-To Sites

- How-To Geek - https://www.howtogeek.com/
- Lifehacker - https://lifehacker.com/
- Lifewire.com - https://www.lifewire.com/
- Make Use Of - https://www.makeuseof.com/

U.S. Federal Internship Opportunities

(United States citizens only.)

- National Security Agency (NSA) Internships https://www.intelligencecareers.gov/nsa/students-and-internships
  - Apply for Fort Meade internships https://apply.intelligencecareers.gov/job-description/1215198
  - Apply for regional internships https://apply.intelligencecareers.gov/job-description/1215200
- Central Intelligence Agency (CIA) Undergraduate Internship Program - Directorate of Operations https://www.cia.gov/careers/student-programs/undergraduate-internship-program-directorate-of-operations/

Federal Information Technology and Cybersecurity Scholarships

(United States citizens only.)

- DoD SMART Scholarship https://www.smartscholarship.org/
- DoD Cyber Service Academy (DoD CSA) Scholarship https://www.dodemergingtech.com/dod-programs/cyber-service-academy-csa/
  Applications open November 1, 2024 for Fall 2025. (Formerly known as the DoD Cyber Scholarship.)
- State Department Foreign Affairs Information Technology (FAIT) Fellowship https://www.faitfellowship.org/
  Illinois Tech has has more students awarded this fellowship than any other school.
- Central Intelligence Agency (CIA) Stokes Undergraduate Scholarship Program https://www.cia.gov/careers/student-programs/undergraduate-scholarship-program/
- Central Intelligence Agency (CIA) Stokes Graduate Scholarship Program https://www.cia.gov/careers/student-programs/graduate-scholarship-program/
- DOE Computational Science Graduate Fellowship https://www.krellinst.org/csgf/
  For PhD students with a focus on high-performance computing.

Other Information Technology and Cybersecurity Scholarships

- Foundation for IT Education Scholarships http://www.edfoundation.org/scholarships.htm
- Golden Door Scholars https://www.goldendoorscholars.org/
  For DACA and undocumented students
- ISC2 Center for Cyber Safety and Education Scholarships https://www.iamcybersafe.org/s/scholarships
- Engtal Diversify the Future STEM Scholarships https://www.diversifythefuture.com/
- Samvid Scholars (graduate students) https://samvidscholars.org/