

Information Technology Workforce Development Needs



WHAT IT WANTS

JON BOWNE - NETWORK ADMINISTRATOR

IT in the past



Photo credit: www.sarcozona.org



WHAT IT WANTS

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That Guy at Work Syndrome



Photo credit: www.nerdsrule.wordpress.com



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Janitor Syndrome



Photo credit: zachandkelly.blogspot.com



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Real IT People



Photo credit: www.itmarketing.com & www.australianapprenticeships.gov.au



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Things start to get crazy.



Photo credit: www.funbiz.com.au



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Houston, We have a problem.



The Best and the Brightest



Photo credit: www.wit.org.au



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Image Courtesy of www.nerdsrule.wordpress.com



WHAT IT WANTS

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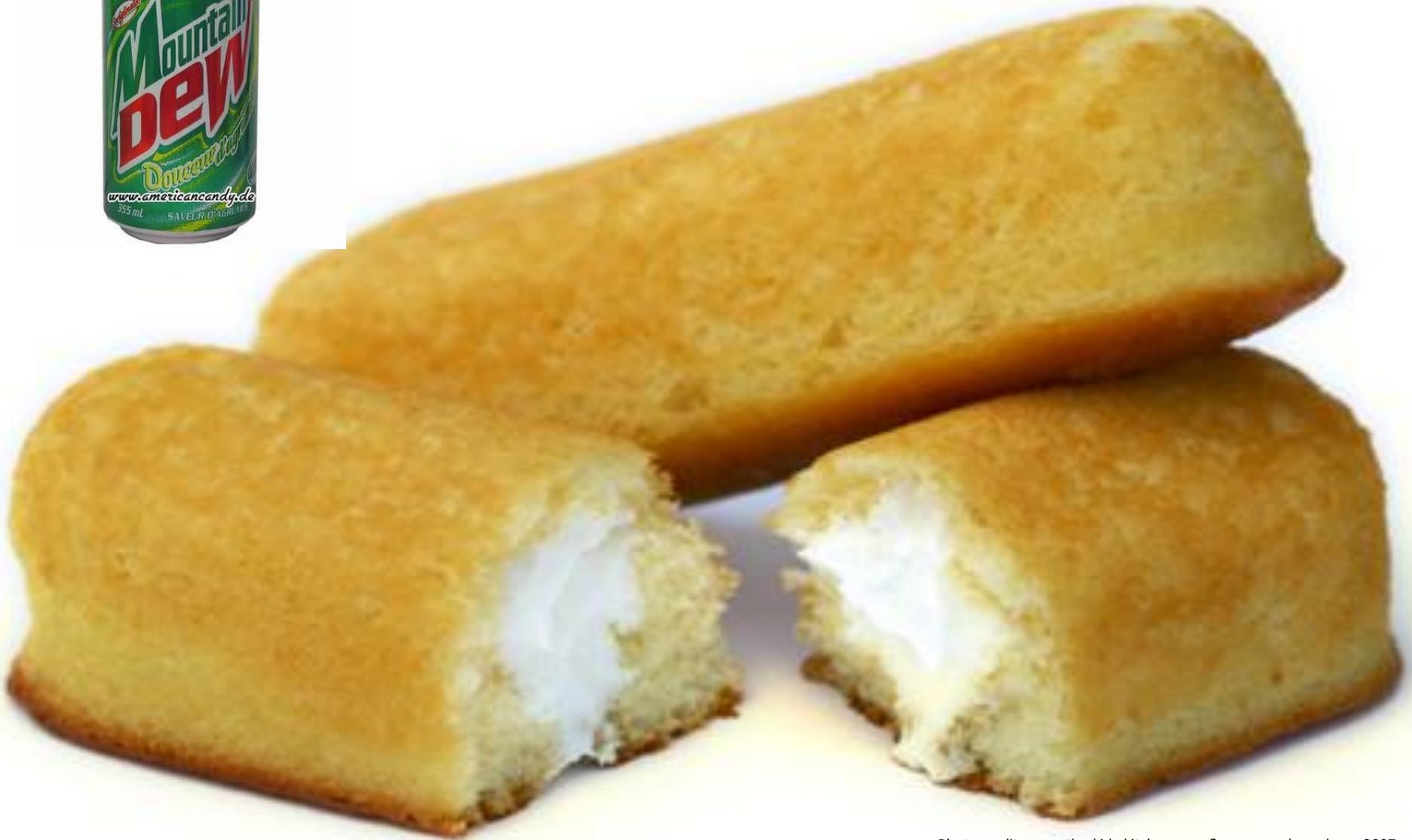


Photo credit: www.the-kids-kitchen.com & www.wackypackages2007.com



WHAT IT WANTS

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Attracting the Best



- **Wages**
- **Benefits**
 - **Medical**
 - **Vacation**
 - **Flex Time**
 - **Job Security**
 - **Training**

Photo credit: www.pmthink.com



WHAT IT WANTS

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IT Jobs

- **Yahoojobs.com** **280 / 20**
- **Monster.com** **1,500 / 25**
- **USAJobs.gov** **6,100 / 213**
- **Dice.com** **2,500 / 20**



The Knowledge Worker



- Experienced
- Educated
- Ethical
- Enthusiastic

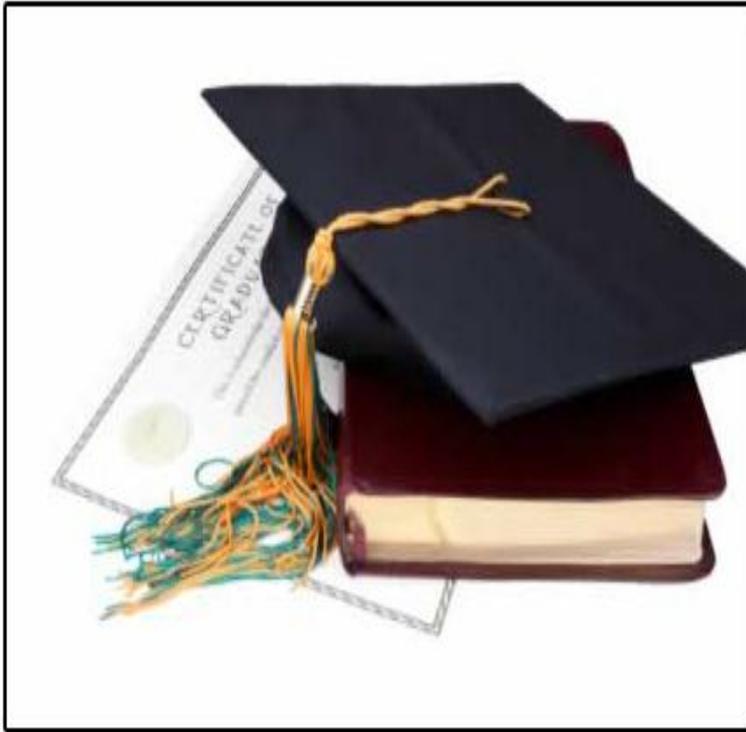
Photo credit: www.cirrent.com



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The Knowledge Worker



- Educated

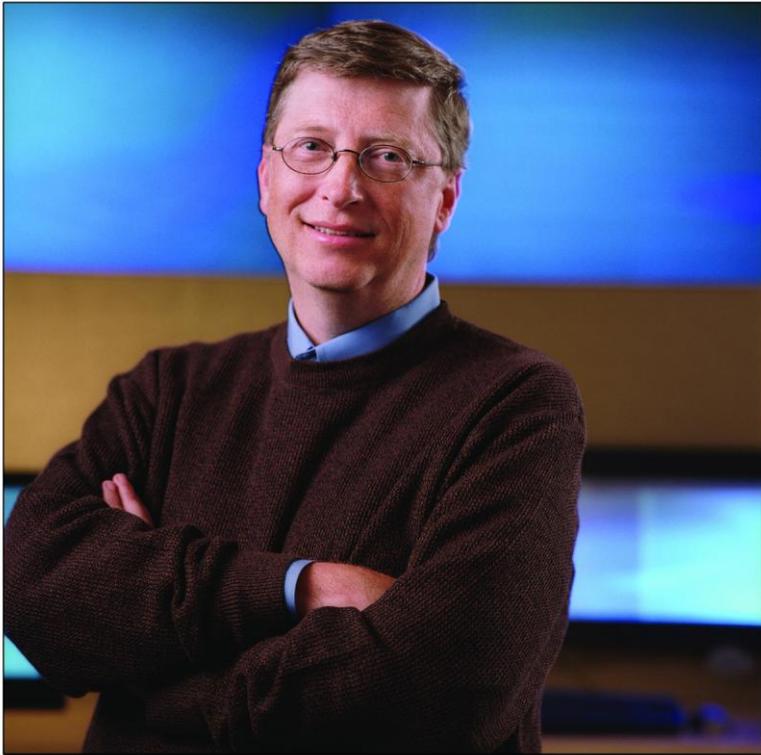
Photo credit: www.cirrent.com



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The Knowledge Worker



- Experienced

Photo credit: www.uweb.ucsb.edu



WHAT IT WANTS

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Minimum: 10 years experience in:

IBM 3090, PENTIUM SERIES, MVS/ESA, MS-DOS, Windows-95/98/2000/NT/XP, UNIX,C, C++, JCL, JAVA, PL/I, VS-COBOL II, FORTRAN, VSAM, DB2, IMS DB,MS-ACCESS,ORACLE, IMS/DC, Visual Basic 6.0, Application Engine, Peopletools, Peoplecode, SQL, PL/SQL, Crystal Reports, SQR, Data Mover, Upgrade Assistant, nVision, Tree Manager, OLAP, L.S./M.F.T., Cube Builder, Web Server, Application server, Peoplecode Debugger, Component Interface, Integration Broker, TSO, ISPF/PDF, File-Aid, SPUFI, QMF, Expediter (IMS DC/DB2), BTS, FTP, Peoplesoft Financials, Peoplesoft HR.



Who Can Do All That?

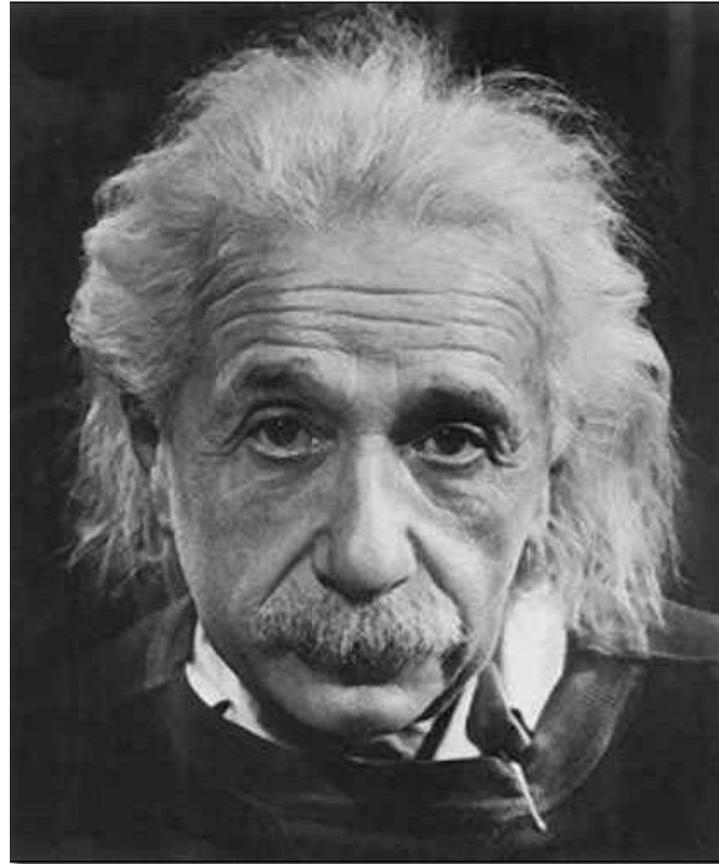


Photo credit: www.tubecad.com



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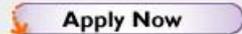
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Network Administrator / Technician - Telecommunications

Company:	City of Ketchikan	Location:	AK 99901
Status:	Full Time, Employee	Job Category:	IT/Software Development
Occupations:	Network and Server Administration	Relevant Work Experience:	5+ to 7 Years
Career Level:	Experienced (Non-Manager)	Industry:	Internet Services;Telecommunications Services
Education Level:	High School or equivalent		

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Job Description

Ketchikan Public Utilities Telecommunications has an opening for an experienced IP Specialist / Journeyman CO Network Technician.

Job Description:

Ketchikan Public Utilities Telecommunications, a local exchange company with 10,500 lines located in beautiful southeast Alaska, has an opening for a highly experienced IP professional. This position performs skilled duties relating to the operation, installation, administration and maintenance of a sophisticated triple-play (video, Internet, Voice) IP network and related softswitches. Position also performs duties on legacy Nortel and AFC telecom switch and transport network equipment.

Job Requirements:

The candidate must have a minimum of four (4) years of combined experience and related education in: LAN/WAN networking, Central Office transport & Switching, IP networking, Routing and network design. Additional exposure to RADIUS content and cache servers, ATM, TDM, VOIP, video transport, DSL and SS7 is helpful and experience with video headend equipment and a Tekelec or similar softswitch is highly desirable. Some or all of the following certificates: CCNA, CCDA, CCNP, CCDP, and MCSE and/or Bachelor's degree in Computer Science or Electrical Engineering is also desirable.



Telecommunications, Internet, LAN / WAN, Certifications

- The candidate must have a minimum of four (4) years of combined experience and related education in: LAN/WAN networking, Central Office transport & Switching, IP networking, Routing and network design. Additional exposure to RADIUS content and cache servers, ATM, TDM, VOIP, video transport, DSL and SS7 is helpful and experience with video headend equipment and a Tekelec or similar softswitch is highly desirable. Some or all of the following certificates: CCNA, CCDA, CCNP, CCDP, and MCSE and/or Bachelor's degree in Computer Science or Electrical Engineering is also desirable.



The Knowledge Worker



- Ethical

Photo credit: www.brennanlenihanlaw.com



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How important are ethics in today's society?



The Knowledge Worker



- **Enthusiastic**

Photo credit: www.ultimateworkshops.com



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Photo credit: www.flickr.com



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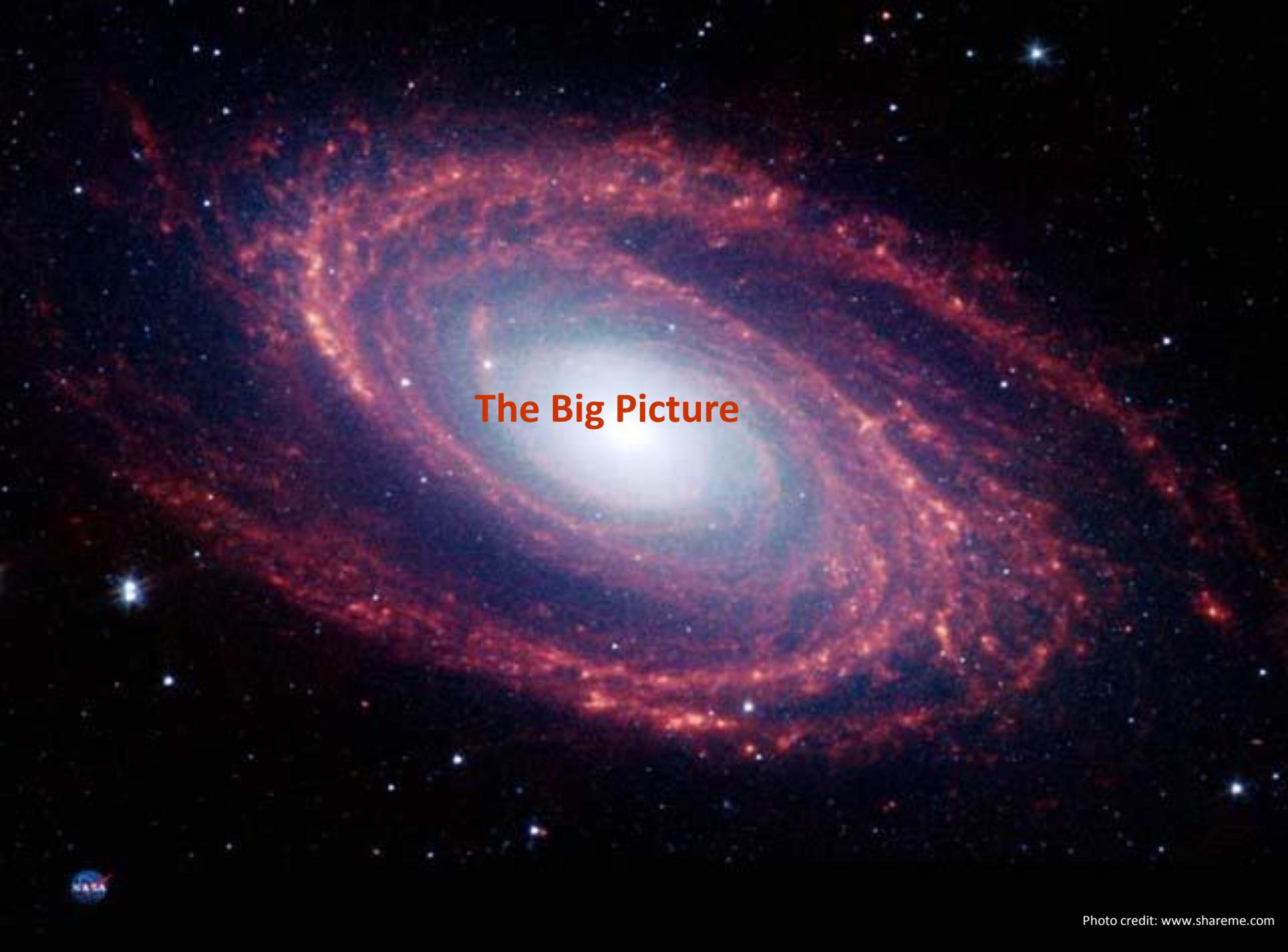
IT Superhero!

Photo credit: www.familycourtchronicles



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The Big Picture



What can you do?



- Training
- Internships
- Scholarships
- Unconventional Training
- Don't forget the Boomers

Photo credit: www.trainingplace.com



WHAT IT WANTS

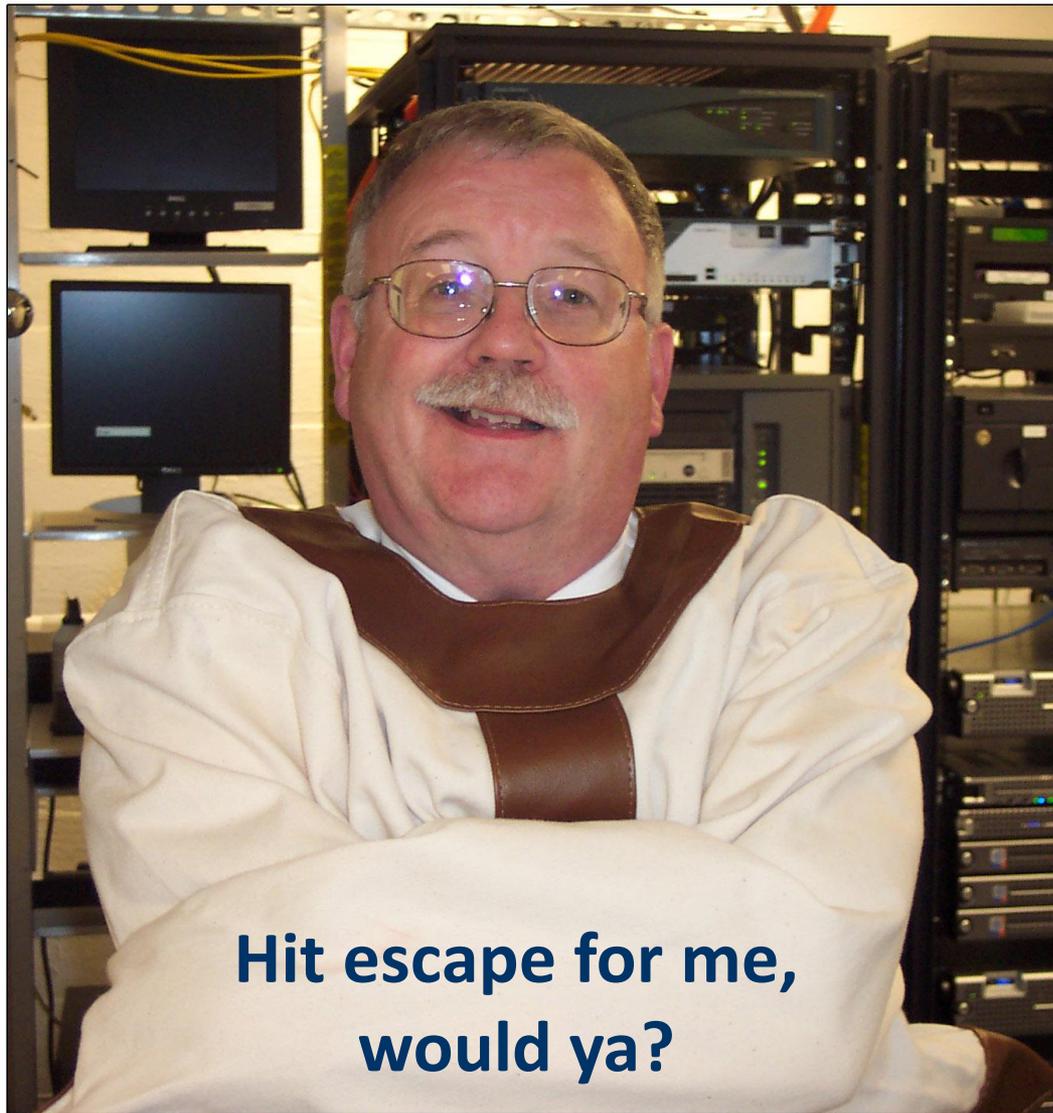
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Thank you for your time.



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**Hit escape for me,
would ya?**



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