



Labor Market Statistics, Trends & Projections

# Future of Computing

# Current Labor Market . . .

- Competitive Global Economy
- Volatile American & Global Economy
- Exponential Changes
  - Down-sizing
  - Out-sourcing
  - Globalization



# Nine Current Job Trends . . .

- Replacing Lower-Performing Employees
- Emphasis on Social Media to Strengthen Brand
- Rehiring Laid Off Workers
- Flexible Work Arrangements
- Cutting Perks & Benefits including Travel
- Rehiring Retirees & Postponing Retirement
- Freelance or Contract Hiring
- Green Jobs
- Bi-lingual Recruitment

# Other Shifts . . .

- Average American only keeps job for 2-3 years and will have 10-12 jobs by age 38
- Third of US jobs are Hyper jobs (temp with no benefits)
- 78% growth in workers over 65
- 14.8% growth in computer/software consumption
- 70% of current US jobs will not exist by 2026
- Generalist to Specialist to Versatelist
- 60% of tech jobs do not require a Bachelor +

# More Shifts . . .

- Technological Information doubles every 72 hours
- 90% of all US jobs require computer skills
- 92% of all IT workers do not work in IT companies (80% of those in small business)
- IT is one of the Fastest Growing Sector in next 10 yrs

# Occupational Outlook – 2008-2018

- Computer Systems Design & related + 45%
- Management, scientific, & technical consulting + 83%
- Data-processing, hosting, & related + 53%
- Software Publishing + 30%
- Network Systems & Data Communications Analysts +53%
- Computer Applications Software Engineers +34%

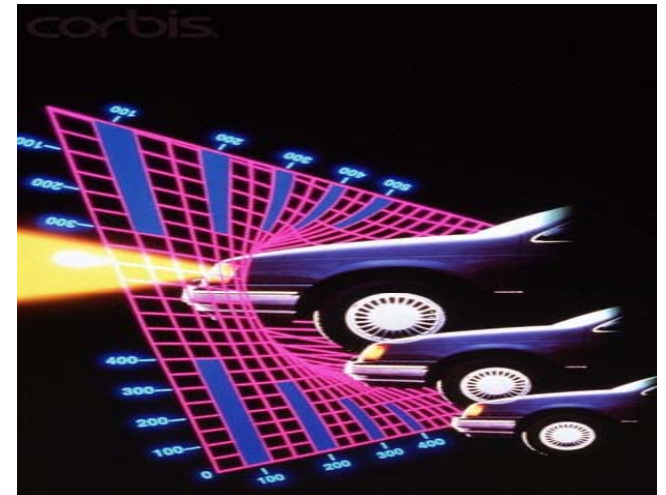
# DOL – Declining IT Jobs . . .

- Programmers – outsource to India
- Help Desk/Tech Support – outsource global
- Order Clerks – 64%
- File Clerks – 50%
- Computer Operators – 21%
- Data Entry – 17%



# Automobile Metaphor . . .

- The Driver of the Car
  - Computer Applications & Office Systems
- The Mechanic who Works on the Car
  - Computer Information Systems
- The Designer of the Car
  - Computer Science





# Be Competitive . . .

- Tech skills get you to table – need more
  - Problem-solving skills
  - Ethics & Tolerance
  - Oral & Written Communication
  - Collaboration & Working in Teams
  - Business Analysis
  - Functional Area Knowledge

# GET Rewarded . . .

Average Computer Professional  
makes \$82,500 annually!



# Top 10 Technical Career Skills

- Unix Operating System
- Linux Operating System
- Java Programming Languages
- C++ Programming Languages
- Perl Programming Language
- MySQL Database Management
- Microsoft C# Programming Language
- XML – Extensible Markup Language
- HTML Skills
- Project Management

# Top 10 Skills in 2010

- Project Management
- IT Security
- Network Administration
- Virtualization – Cloud Computing
- Business Analysis
- Business Process Improvement
- Web Development
- Database Management
- Windows Administration
- Desktop Support

# Hot Skills for 2010. . .

- Non-certified
  - SAP SRM (Supplier Relationship Management)
  - Linux
  - SAP SCM (Supply Chain Management)
  - C++
  - Microsoft Commerce Server

# Hottest Networking Skills

- Next 5 years . . .
  - Server Virtualization (50% by 2012)
  - Green IT
  - Unified Communications
  - Information Security
  - Risk Management

# Internet Facts . . .

- 1.73 billion internet users
- 90 trillion emails per year
- 247 billion emails per day
- 81% SPAM
- 234 million websites
- 126 million blogs
- 27 million tweets per year
- 350 million on FaceBook – using 30,000 servers
- 12.2 billion You Tube videos viewed/month
- 2.6 million+ malicious code threats/year

# Becoming Competitive?

- Commitment to life-long learning
- Learn about multiple cultures
- Learn a language or two
  - English, Spanish, Hindi, Chinese
- Understand strengths & weaknesses
  - Both yours & competition
  - Always add value



# To Thrive . . .

- Build your network, brand & online reputation
- Utilize Social Media
- Invent something new
- Travel – get to know diverse world
- Make full use of automation
- Live within your means
- Become an expert salesperson & marketer

**You are a UNIQUE product**

# No Matter What the Future Brings:

**Computer technology  
will be part of the solution . . .**

**Will You be a part of this future?**

