Five Myths about Future Employment in IT

Myth 1

There are no IT jobs.

 Courtesy of Microsoft Corporation and SIM (Society for Information Management). From their “Future Potential of IT” program.

Trends in US Enrollment / Degrees

- Reasons for low enrollments
  - End of Y2K
  - dot-com bust
  - Press magnified impact of offshoring
  - Post 9/11 less foreign student visas
- Chart data only CS- no data on other IT-related majors
- Spring 06 enrollment up

Reality

- IT job market strong
  - 70,000 tech jobs on Dice.com
  - Significant increase from 2002 at 30,000
- Companies increased IT staff budget since 2003 (Gartner)

Year

Employment (millions)
Myth 2
There will be no IT jobs when I graduate.

Myth 3
All IT-Related Jobs Are Going Offshore

Reality

<table>
<thead>
<tr>
<th>Job Type</th>
<th>Expected Growth through 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Engineers</td>
<td>36%+</td>
</tr>
<tr>
<td>Mkt/CM/Info Sciences &amp; Systems</td>
<td>36%+</td>
</tr>
<tr>
<td>Computer and Info Sys Mgrs</td>
<td>36%+</td>
</tr>
<tr>
<td>Technical Support Specialist</td>
<td>21-35%</td>
</tr>
<tr>
<td>Teaching (Preschool - 12)</td>
<td>21-35%</td>
</tr>
<tr>
<td>Management Consulting</td>
<td>21-35%</td>
</tr>
<tr>
<td>Human Resource Specialist</td>
<td>21-35%</td>
</tr>
<tr>
<td>Nursing (Registered Nurse)</td>
<td>21-35%</td>
</tr>
<tr>
<td>Computer Programmer</td>
<td>10-20%</td>
</tr>
<tr>
<td>Accounting (Private)</td>
<td>10-20%</td>
</tr>
<tr>
<td>Sociology*</td>
<td>10-20%</td>
</tr>
<tr>
<td>Political Science*</td>
<td>10-20%</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>3-9%</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>3-9%</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>0-2%</td>
</tr>
<tr>
<td>Help Desk Support</td>
<td>N/A</td>
</tr>
<tr>
<td>Marketing</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Four of fastest growing US jobs 2002-2012 for bachelors degree to be IT-related


First boomers turn 65 in 2011

Reality – Some Jobs Will Go Overseas

- Commodity jobs (e.g. some programming, help desk) sourced overseas
- Highly skilled jobs will stay
- Jobs relating to company’s core competencies or products will stay
- Jobs requiring close business/customer contact will stay

(CIO Magazine)
Top Ten Critical Skills to Keep In House 2005

- SIM Advocacy IT Workforce

Myth 4
IT salaries are low due to cheaper overseas labor

Reality – Undergraduate Starting Salaries
IT-Related Fields - Some of the Highest

Highest median earnings among women
- Pharmacists
- Chief executives
- Lawyers
- Computer software engineers
- Physicians and surgeons
- Computer and information systems managers
- Medical and health services managers
- Computer programmers
- Physical therapists
- Human resource managers

And…
Salaries May Go Even Higher

- Current trends (i.e. low enrollment, significant job growth) predict shortfall of adequately skilled IT labor
- BLS data - *minimum* of 10% of US IT staff (375,000 of 3.72 m) baby boomers due to retire in 5-10 years
- Both will add to the *upward salary pressures*

Reality….

- Computer science and engineering skills always needed
- Research suggests, however, that business is emphasizing additional skills
- Those skills *change the focus of the IT* marketplace just a bit…for example:

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**Myth 5**

IT-Related Educational Degrees Are Worth Less

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**Top Ten Mid-Level Skills and Capabilities**

-SIM Advocacy IT Workforce

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Summary points to leave you with

- IT vital to business profitability
- Fast pace of technological change keeps IT careers interesting
- Offshoring threat overstated
- Globalization of IT is an opportunity
- US IT worker demand will remain strong

What about **YOU**?

Your Future Potential is in **IT**!!