



What is Computer Science?

ECS 15

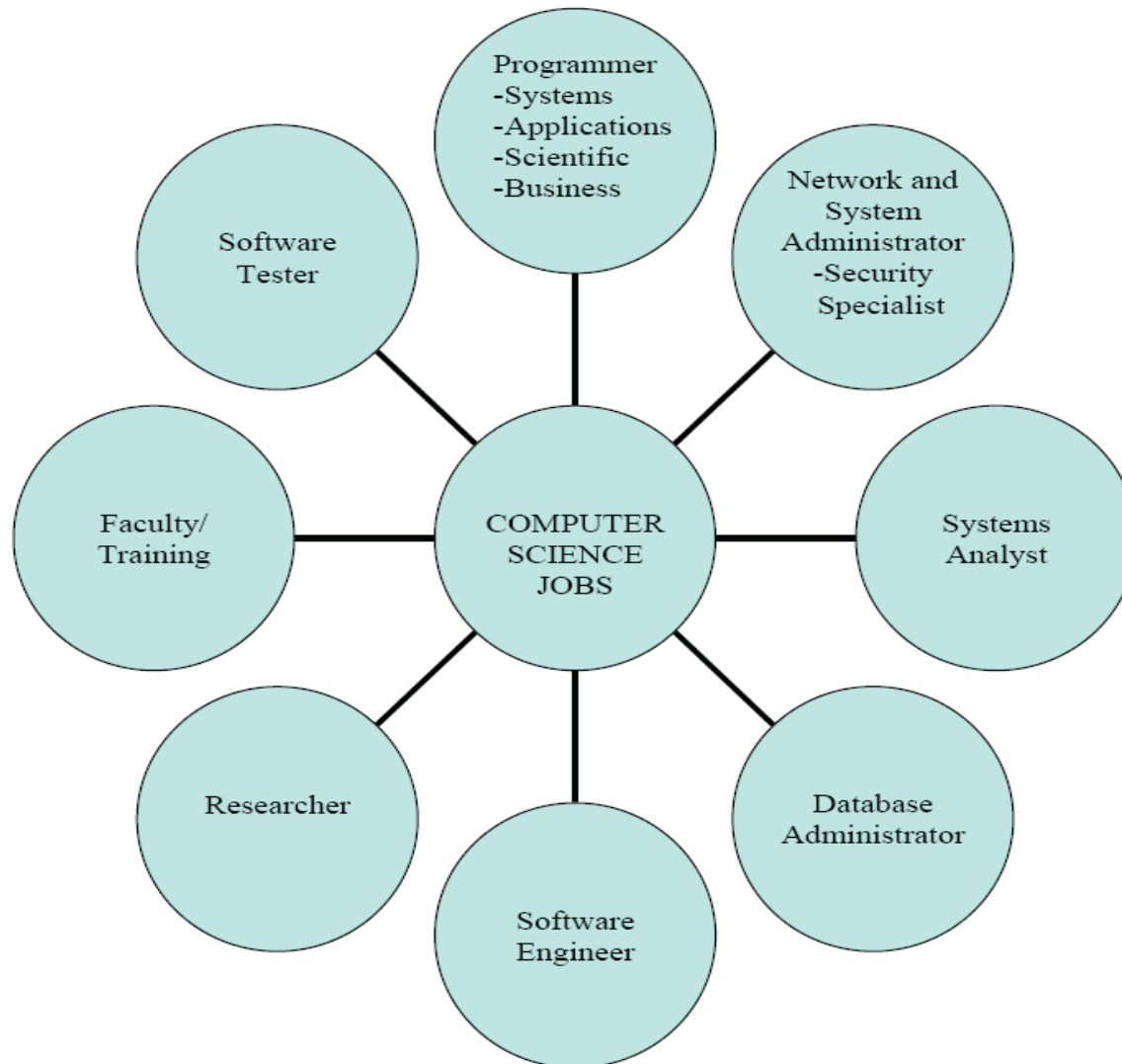
Prof. Xin Liu

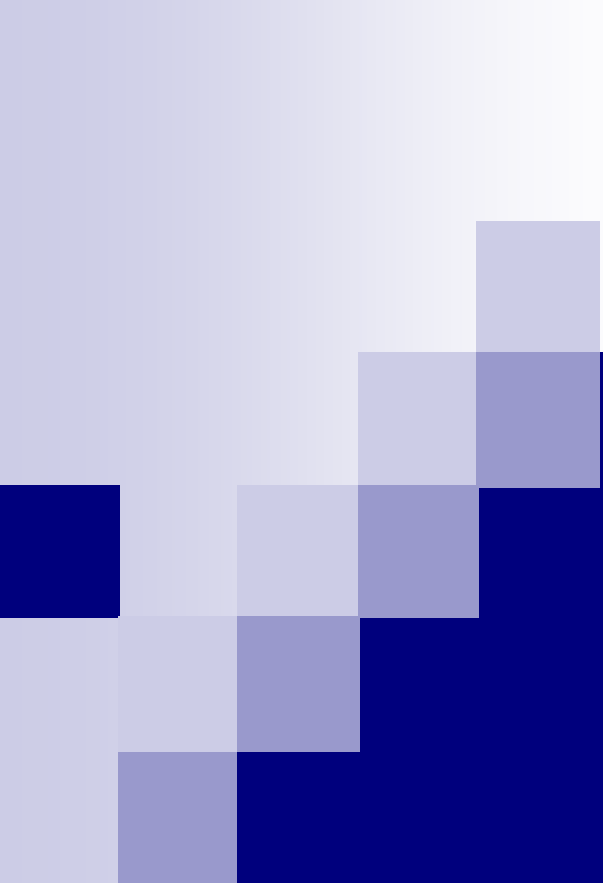


Subject Areas

- Theory of computation
- Software engineering
- Information and data management
- Computer graphics
- Computer security and cryptography
- Computer networks
- Artificial intelligence
- Human-computer interface
- Bioinformatics
- System and architecture

Professions in CS





Computers

A practical overview



Choose a Computer

- Laptop, desktop,
- MAC vs. PC
- Computer configuration

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- Intel® Core™2 Duo processor E6300 (1.86GHz) **[Included in Price]**
- Intel® Core™2 Duo processor E6400 (2.13GHz) **[add \$50 or \$2/month¹]**
- Intel® Core™2 Duo processor E6600 (2.4GHz) **[add \$150 or \$5/month¹]**
- Intel® Core™2 Duo processor E6700 (2.67GHz) **[add \$400 or \$12/month¹]**

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Processor Operating System Memory Hard Drive Optical Drive Monitors Video Card Sound Card

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- Intel® Core™2 Duo processor E6300 (1.86GHz)
- Genuine Windows® XP Media Center Edition 2005 with re-installation CD
- 1GB Dual Channel DDR2 SDRAM at 533MHz- 2DIMMs
- 320GB Serial ATA 3Gb/s Hard Drive (7200RPM) w/DataBurst Cache™
- 8x DVD+/-RW Drive
- 19 inch E196FP Analog Flat Panel
- 256MB ATI Radeon X1300 Pro
- Integrated 7.1 Channel Audio

Accessories

- Dell A525 30 Watt 2.1 Stereo Speakers with Subwoofer
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Software

- No productivity suite- Includes Microsoft Works 8. DOES NOT INCLUDE MS WORD
- PC-cillin Internet Security with AntiVirus and Spyware removal 15-months
- Starter pack- Basic and trial products from Corel and Yahoo



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- Processor
- Operating System
- Memory
- Hard Drive
- Optical Drive
- Monitors
- Video Card
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2GB Dual Channel DDR2 SDRAM at 533MHz- 2DIMMs [add \$135 or \$4/month]
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- 320GB Serial ATA 3Gb/s Hard Drive (7200RPM) w/DataBurst Cache™ [Included in Price]
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SELECT MY MONITORS

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- 19 inch E196FP Analog Flat Panel [Included in Price]
17 inch Ultrasharp™ 1707FP Digital Flat Panel [subtract \$20]
19 inch Ultrasharp™ 1907FP Digital Flat Panel [add \$50 or \$2/month]
20 inch UltraSharp™ 2007FPW Widescreen Digital Flat Panel [add \$200 or \$6/month] PC Magazine Editors' Choice (May 2006)
20 inch Ultrasharp™ 2007FP Digital Flat Panel [add \$250 or \$8/month]
24 inch UltraSharp™ 2407WFP Widescreen Digital Flat Panel [add \$610 or \$19/month]
No Monitor [subtract \$200]

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- Intel® Graphics Media Accelerator 3000 [subtract \$100]
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