

Computer Science at USF

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Professor and Chair

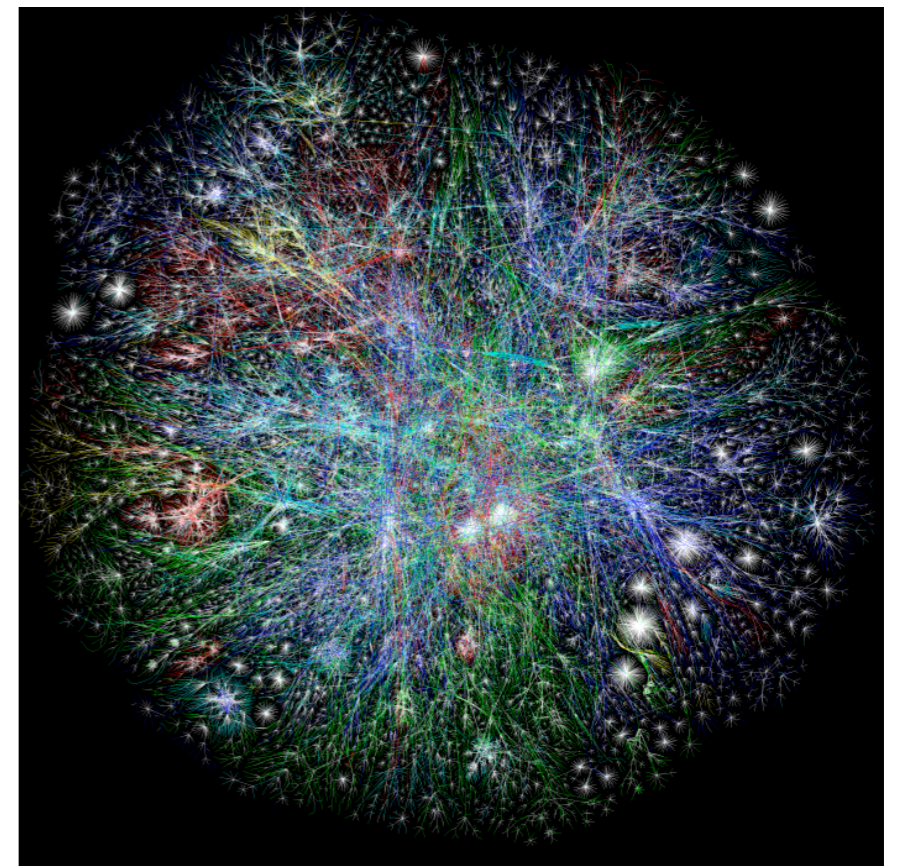
The logo for the University of San Francisco Computer Science department. It features a green rounded rectangle on the left containing the lowercase letters 'usf' in blue. To the right of this rectangle are the uppercase letters 'CS' in green.

usfCS

UNIVERSITY *of* SAN FRANCISCO
department of computer science

Why Computer Science?

- ▶ Exciting times in computing!
 - ▶ Ever expanding Web-based applications
 - ▶ Mobile devices
 - ▶ Immersive gaming
 - ▶ Scientific applications
 - ▶ Business operations

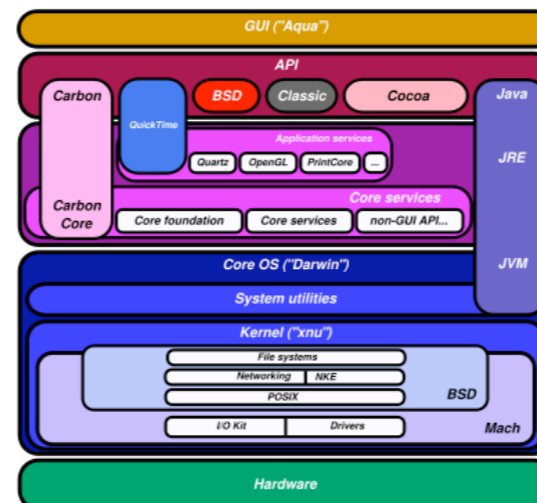
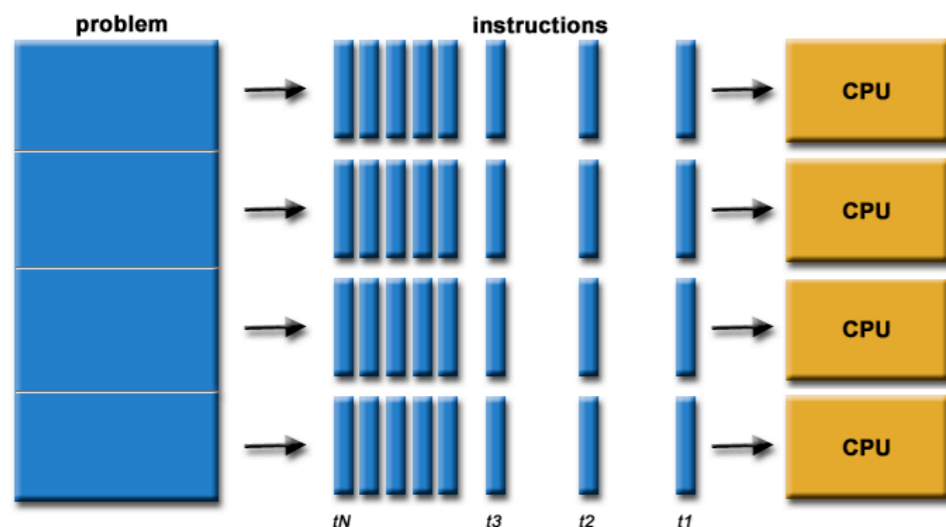


Computer Science Major

- ▶ Rigorous program that focuses on
 - ▶ Software development
 - ▶ Algorithms and data structures
 - ▶ Problem solving
 - ▶ Computing systems: networks, operating systems, computer architecture

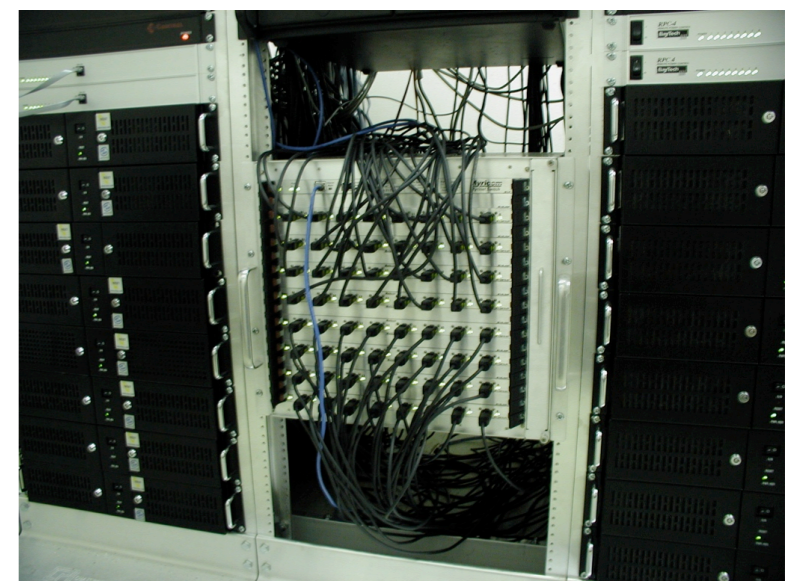
Cool CS stuff at USF

- ▶ Cloud computing in your first CS course
- ▶ Parallel computing in your sophomore year
- ▶ You learn how to write your own operating system and build a computer processor from scratch
- ▶ You can take a class on game engineering



Learning CS at USF

- ▶ Most classes taught in a high-tech studio classroom
- ▶ Access to real parallel computers
- ▶ Small class sizes
- ▶ Real-world projects



Languages and Systems

- ▶ Java
- ▶ Python
- ▶ C/C++
- ▶ Linux/Unix/Windows
- ▶ But... it's not just about these systems
- ▶ You learn how to learn new languages