



# **Share Enterprise Systems Experience From Time To Time – Illinois State University Alumni**

*Enterprise Computing Community (ECC) Conference  
2012*

*Marist College, Poughkeepsie, NY*

*Speaker: Yan Cui (Citigroup, Inc)*

# Purpose Of The Presentation

- As a recent Illinois State University graduates with few years of working and learning experience in the IBM Enterprise Systems support fields, I would like to share my experience, step by step, of how I started from school learned the computer fundamentals and principles, and how to prepare for the future challenge ; seeking available learning opportunities and activities while I was a student; taking real world challenges as an entry level System Programmer; continuously acquiring new technologies to make systems more efficiency; establishing future plans and fulfill career achievements; ...; and more.

# Three Major Sections For Discussion

- Education For Career Preparation
  - Formal education
  - Enterprise Systems activities and involvements
  - Computer competency summary
  - Diagram/Overview – computer knowledge built-up step by step
  - Enterprise Systems technology learning opportunities for students
- Current Learning And Working Experience
  - Employee title at Citigroup Inc.
  - Major technical supports
  - Other learning and sharing opportunities
  - School learned applies to the real industry
  - Brief IBM Enterprise Systems support chart
- Future Expectation And Achievement
  - Enterprise Systems technology industry expectation
  - Become an Enterprise Systems professional

# Education For Career Preparation

## Formal Education

- Bachelor of Science in Computer Science (B.S.) at Illinois State University (12/2005)
- Master of Science in Information Systems (M.S.) at Illinois State University (8/2008)
  - ITK IBM Enterprise Systems Computing (ECS) curriculums completion
  - Awarded 2008 “ITK Distinguished Graduate Student” certificate
  - Formed “Enterprise Computing Student Association (ECSA)” (1/2008)
    - State Form Data Center visits
    - John Deer Data Center visits
    - IBM/State Form/John Deer presentations/lectures

# Education For Career Preparation Cont.

## Enterprise Systems Activities and Involvements

- Taken IBM Mainframe Mastery Contest PART I/II (12/2006)
- Enrolled for Citigroup, Inc. Summer Internship (5/2007)
- Participated IBM Academic Initiative/Illinois State University Ribbon Cutting Ceremony (11/2007)
- Participated IBM Initiative Conference in Chicago, IL (4/2008)
- Passed “IBM System z Entry Level for z/OS System Programmer” certificate (4/2008)
- Participated IBM Share Conference in San Jose, CA (8/2008)
- Achieved “ISPF for Systems Programmer and ISPF/PDF Developer” certificate (8/2008)

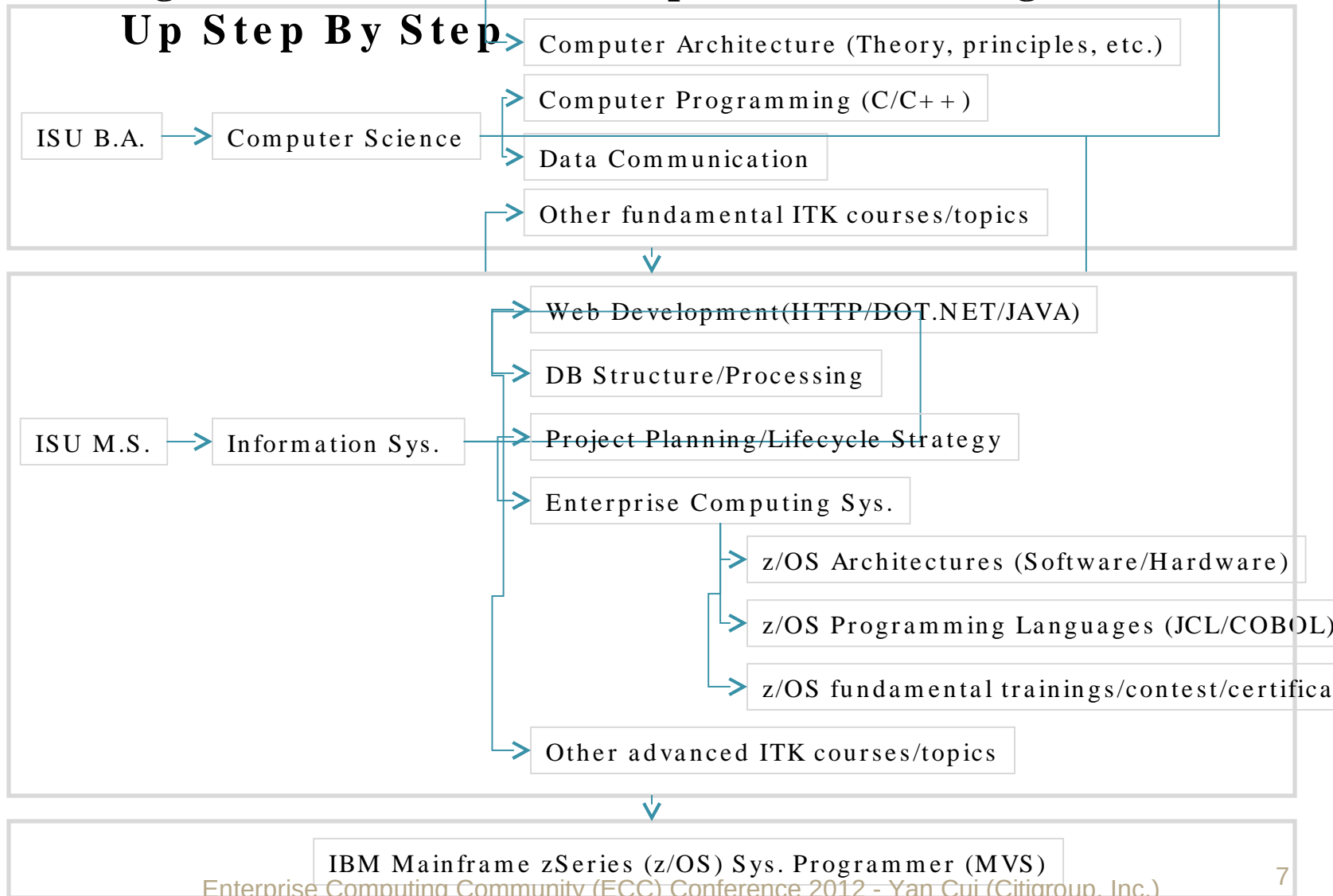
# Education For Career Preparation Cont.

## Computer Competency Summary

- Operating Systems: MS Windows XP/VISTA, UNIX, zLinux, z/OS, zVM
- Programming Languages: C/C++ , VB, JAVA/JAVACC, JCL, PERL, COBOL, REXX/CLIST, FTP/SFTP
- Web Development: DHTML, CSS, PHP, JAVA Applet, JSP, JAVA API/J2EE, JavaScript, ASP.NET, ADO.NET, VB.NET, C# , XML.
- Database Tools: MS Access, Oracle, PL/SQL, MySQL
- Familiar Applications: MS Office, Adobe Photoshop, Oracle/SQL, Dreamweaver, MS Visual Studio.Net, IBM-WebSphere, Java Eclipse/Netbean, Zend Development Env, SPSS, TELNET, FTP, z/OS Tools/Utilities

# Education For Career Preparation Cont.

## Diagram/Overview – Computer Knowledge Built-Up Step By Step



# Education For Career Preparation Cont.

## Enterprise Systems Learning Opportunities For Students

- Education (B.S/M.S) for Enterprise Systems
- School lab research paper for Enterprise Systems
- School lab hands-on practices for Enterprise Systems
- IBM Enterprise Systems hands-on Master Contest
- IBM annual Share Conference for new Enterprise Systems technologies
- IBM Enterprise Systems z/OS & other certificates
- Industry Summer Internship
- Industry Data Center visit
- IBM Enterprise Systems Red-Books/manuals



# Current Learning And Working Experience

Employee Title at Citigroup, Inc.

Yan Cui  
OFFICER

Infrastructure Tech Analyst  
MVS, Global Enterprise Systems, CTI  
Citigroup, Inc.  
Sioux Falls, SD USA



Yan Cui  
Assistant Vice President  
Infrastructure Senior Tech Analyst  
MVS, Global Enterprise Systems, CTI  
Citigroup, Inc.  
Sioux Falls, SD USA

# Current Learning And Working Experience Cont.

## Major Technical Supports

- z/OS System level support:  
z/OS system installation/configuration/testing/standardization, building IPL volumes, rollout activities on LPARs w/ latest supplied maintenance, implementing BAU PARMLIB/PROCLIB changes, and more.
- Software products/subsystems level support:  
Installation/configuration/testing/deletion software products, services upgrade, trouble-shooting, monitoring, and more using Systems Modification Program/Extended (SMP/E) and other tools.
- New LPAR deployment support:  
Support for new LPAR build, Cross-System Coupling Facility (XCF) Coupling structure configuration, and other resources/data sharing infrastructure.
- USS/OMVS support:  
Support for managing USS/OMVS HFS/ZFS file-systems structures, utilization and accessibility; managing USS/OMVS server SSL connection for file-transfer, and NES/TMP Colony/java Colony/etc for efficiency

# Current Learning And Working

## Experience Cont.

### Major Technical Support Cont.

- IBM HTTP server support:

Support for IBM HTTP Server for z/OS (Domino-Based) configuration/customization with MVSDS data access protection, website hosting, SharePoint usage, Send-Mail function, and more.

- Coding projects:

REXX/CLIST/JCL ISPF dialog development, C/C++/JAVA/PERL related projects, compiler options configuration/testing, and more for Software Products management and optimization.

- MVS hotline/on-call support:

Support for any MVS related problems and work with vendor supports to resolve the issues on the systems to avoid enplaning outage.

# Current Learning And Working Experience Cont.

## Other Learning And Sharing Opportunities

- Illinois State University presentations/lectures (11/2011)
  - Systems Modification Program/Extended (SMP/E) technology
  - Initial Program Load (IPL) logical flow and messages debugging
  - Cross-System Coupling Facility (XCF) architectures and Coupling structure for resources sharing
- Illinois State University IBM systems configurations:
  - Trouble-shooting for new LPAR IODF build and provided support for systems configuration, customization, and utilization.
  - Provided support for new LPAR OSA/Network TCPIP configuration and established network connection and access protection.

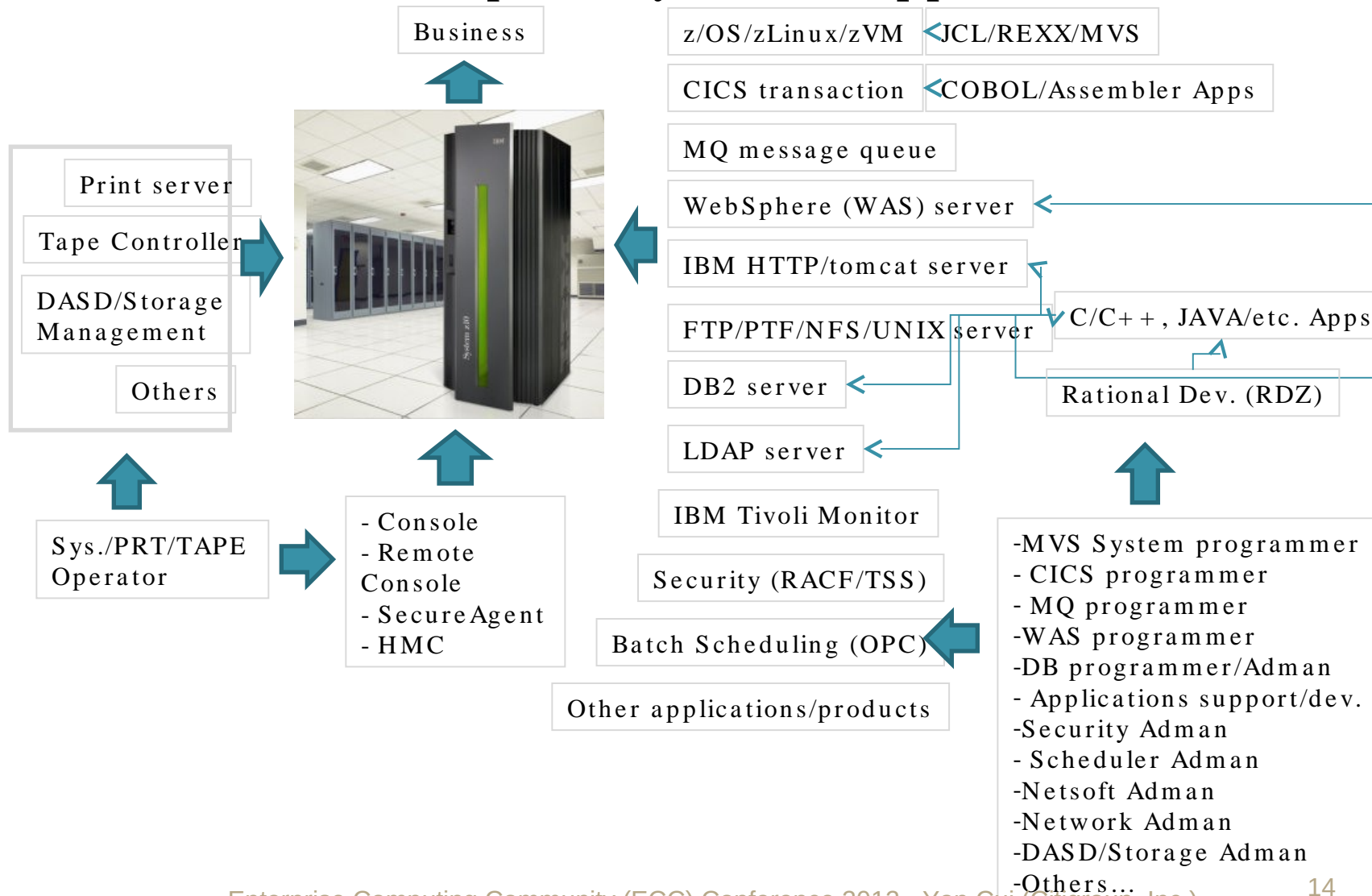
# Current Learning And Working Experience Cont.

## School Learned Applies To The Real Industry

- Computer architectures with fundamentals/principles.
- Enterprise System architectures with fundamentals/principles.
- REXX/CLIST/COBOL/JCL fundamental courses.
- Application development/programming/testing skills, and other advanced project management knowledge.
- Database architectures with fundamentals/principles.
- Hands-on practices for various Enterprise Systems software and hardware.
- Research ability for new systems configuration and resources utilization for efficiency and availability improvement.
- Documentation ability for procedures, and problems/solutions reports.
- Built-up ability to expand and adapt new Enterprise Systems technologies.
- Built-up team work experience for future projects and

# Current Learning And Working Experience Cont.

## Brief IBM Enterprise Systems Support Chart



# Future Expectation And Achievement

## Enterprise Systems Technology Industry Expectation

- Advanced Enterprise systems technologies on both software/hardware for diverse systems supports.
- Explore new Enterprise Systems architectures and components relationship to improve risk management and decision making.
- Design and deploy new systems structure for efficiency and easy management to meet business requirements.
- Analysis current running systems for high performance improvement and future projects planning for cost saving.

# Future Expectation And Achievement

**Cont.**

## **Become an Enterprise Systems Professional**

- Achieve various basic/advanced Enterprise Systems technologies.
- Capable to learn and adapt new Enterprise Systems technologies.
- Expand supports for diverse levels from system/product/subsystem to application level support.
- Ability to take challenges from time to time for different projects.
- Update with latest Enterprise Systems technologies/information and contribute to the real industry.
- Capable to work independently for problems and seeking for solutions, as well as working in a team for complex projects.



# Questions???

- Taking challenge is a best way to learn! – Yan Cui (Citigroup, Inc.)