

## **Emmet P. Gray**

Visiting Lecturer

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### **Career Statement**

I retired from civil service and completed my Masters degree in CIS in 2011. My previous career has provided me a rich opportunity to develop a unique skill set in many aspects of automation.

### **Education and Training**

- Master of Science, 2011, Computer Information Systems, Texas A&M – Central Texas
- Bachelor of Science Degree, 1978, Biomedical Engineering, Louisiana Tech University
- Bachelor of Science Degree, 1977, Mathematics, Louisiana Tech University

In addition to the academic credentials, I have continued my education with numerous professional development classes, and I routinely attend Microsoft Development Network (MSDN) seminars to keep my programming skills up to date.

I have written many articles for web publication on subjects such as:

- Code Access Security
- In-Memory SQL Engine
- Simple Encryption/Decryption
- Extensible Storage Engine
- Visual Studio Version Interoperability
- SQL Server Log File Maintenance

### **Work Experience**

As a Supervisory General Engineer at Fort Hood, Directorate of Public Works (DPW), I have held many key leadership roles. Some of my recent responsibilities include:

- As Chief of Management Engineering Support branch, I analyzed DPW workload data, managed the Installation Status Reporting, Common Level of Support, Lean Six Sigma, quarterly Review and Analysis programs, monitored the status of funds, managed surveys and studies encompassing the organization of work and responsibilities, equipment utilization, space utilization.
- As the “Chief Information Officer” for the DPW, I managed DPW automation assets, managed IT security, managed the development of in-house software applications, and directed the Geographic Information System (GIS) program.
- As the “Science and Technology Advisor” to the DPW, I performed evaluations on topic such as: Global Positioning Systems, energy conservation, alternate energy sources, remote utility metering, work flow automation, and remote vehicle data connections.

### **Summary of Skills and Experiences**

My teaching experience has included:

- 08/2011 CIS 315 - Web Site Development and Design
- 01/2012 CIS 450 - Management Information Systems
- 06/2012 CIS 486 - Mobile App Development
- 08/2012 CIS 450 - Management Information Systems
- 01/2013 CIS 315 - Web Site Development and Design (on-line)
- 01/2013 CIS 343 - C# for Windows and Web Programming
- 06/2013 CIS 389 – System Analysis and Design
- 06/2013 CIS 452 – Structured Query Language
- 08/2013 CIS 315 – Web Site Development and Design
- 08/2013 CIS 401 – Database Theory and Practice
- 01/2014 CIS 343 – C# for Windows and Web Programming
- 01/2014 CIS 351 – Data Structures
- 06/2014 CIS 300 – Computer Technology and Impact
- 06/2014 CIS 450 – Management Information Systems
- 08/2014 CIS 303 – Programming Logic and Design
- 08/2014 CIS 331 – Visual Basic Programming
- 01/2015 CISK 343 – C# for Windows and Web Programming
- 01/2015 CISK 389 – System Analysis and Design
- 01/2015 CISK 441 – IT Security and Risk Management
- 06/2015 CSK 389 – System Analysis and Design
- 08/2015 CISK 301 – Business Analysis and Design
- 08/2015 CISK 450 Management Information Systems
- 01/2016 CISK 343 – C# for Windows and Web Programming
- 01/2016 CISK 450 Management Information Systems
- 08/2016 CISK 347 – Data Communication
- 08/2016 CISK 348 – Network Architecture Design
- 08/2016 CISK 445 – Network and System Security
- 08/2016 CISK 450 – Management Information Systems
- 01/2017 CISK 315 – Web Site Development and Design
- 01/2017 CISK 343 – C# for Windows and Web Programming
- 01/2017 CISK 401 – Database Theory and Practice
- 06/2017 CISK 401 – Database Theory and Practice

During my previous career, I have designed and implemented LANs and Active Directory domains. I have been the system administrator on domain and SQL Servers. I am currently proficient in Visual Basic, C#, databases, operating systems, and LAN administration and design. My programming experience includes the following:

- Design/develop 3-tier financial applications

- Design/develop remote monitoring and control applications
- Writing low-level file system filters, device drivers, system monitors, etc.
- Numerous database applications

### **Honors, Activities, and Certifications**

Winner of the 2003 Grace Hopper Government Technology Leadership Award (the Gracie) for development of SOSOS (a computer hardware and software inventory program)

I write software as a hobby and write computer-related articles for my web site (<http://www.emmet-gray.com>). I have written over 200 programs since the 1980s. For every program that I have written, I have made the source code available in the "public domain" for anyone else to use.

I volunteer doing software support on Microsoft's "Answer" Community Support Forum.

I recently published three applications, called EdgeManage, EdgeSync and EdgeLaunch that allow users to better manage favorites in the new Edge browser.

My professional certifications include:

- Microsoft Certified Professional (MCP)
- Microsoft Certified Systems Administrator (MCSA)
- Microsoft Certified Systems Engineer (MCSE)
- Microsoft Certified Database Administrator (MCDBA)
- Microsoft Certified Applications Developer (MCAD)
- Microsoft Certified Solutions Developer (MCS D)
- MCSA: Security
- MCSE: Security
- CompTIA A+
- CompTIA Network+
- CompTIA Server+
- CompTIA Security+