

KAY ADDISON

Visiting Assistant Lecturer for
Computer Information
Systems

TEACHING APPOINTMENTS

Visiting Assistant Lecturer for Computer
Information Systems – Texas A&M
University
Central Texas
Current

Teach undergraduate courses in
computer information systems and
provide career guidance to students

Adjunct Professor – ITT Technical College,
Kansas City, MO
2006-2007

Developed syllabus and overall
course structure and administered all
grades.

Adjunct Professor – Savannah Technical
College, Hinesville, GA
2003-2006

Developed syllabus and overall
course structure, including weekly lab
practicum, and administered all
grades.

SERVICE TO THE PROFESSION

Courses Taught

- Introduction to Computers
- Advanced Spreadsheets and Database Techniques
- Web Design and Development
- Programming Design and Logic
- Programming in Java, C++, and Visual Basic *Tutoring*
- Tutoring services to programming students.
- IT consultation services to PatricifyIT

EDUCATION

Tarleton State University

MS Information Systems - 2002
Summa Cum Laude

BS Computer Science – 2001
Summa Cum Laude

PROFESSIONAL SUMMARY

Over 20 years of experience encompassing diverse areas of computer technologies bringing superior support and analysis to provide solutions and IT consultation services. Expert at developing modular object-oriented architecture that provides extensible applications beyond the task at hand. Delivers forward thinking designs and innovative problem-solving skills with dedication to quality that allows for successful and straight forward implementations of new requirements.

APPLICATION DEVELOPER CONSULTATION

Software Developer (07/2015 – 02/2018)
Vencore Inc. (Killeen, TX)

- Provided expertise in the development and modification of SAMSE software system
- Used expert knowledge to design, develop, code, test, and debug software
- Worked with development team to define existing or new system scope and objectives
- Provided analytical support and technical advice during the conceptualization, development, and implementation phases
- Implemented new tasks necessary to ensure the identification and documentation of hazards within software systems using various analysis tools and techniques
- Evaluated and updated policies to ensure systems and software for adherence to government or commercial directives, standards, guidelines, and criteria concerning software safety and systems safety

Programmer/Analyst (01/2013 – 09/2014)
AIST (Fort Hood, TX)

- Consulted with customers to obtain functional requirements that provided robust IT solutions to improve business processes
- Analyzed business processes and construct systems to aggregate data for CRDAMC Business Intelligence Team and its customers
- Extracted and analyzed large data sets, interpreted results and developed reports highlighting key business performance metrics

Systems Analyst (Software) (07/2011 – 01/2013)
CSC (Fort Hood, TX)

- Administered oversight during weekly meetings with customers to gather and extract requirements for their software needs
- Drafted software specification documentation that clearly defined the scope and development of the project, reviewed with customer for accuracy, completeness, and suitability
- As the subject matter expert, designed and developed software applications
- Enhanced and maintained all software applications for the Central Technical Support Facility and provided customer support to all its customers
- Ensured proper configuration of application software, including multiple telecommunication databases, application interfaces, and related server hardware

Telecommunications Specialist (10/2010/07/2011)
Mantech (Fort Hood, TX)

- Assisted in the selling process to identify, develop and support product/service applications. Worked directly with management at customer sites to assess business processes and address product/service needs
- Worked with communications software, hardware and networks
- Analyzed network characteristics (traffic, connect time, transmission speeds, packet sizes, and throughput, etc. and recommend procurement, removals, and modifications to network components

CERTIFICATIONS

COMPTIA Security+ 2019

Cisco Certified Design Associate
Certification – 2010

COMPUTER PROFICIENCY

Programming Languages/Technologies
C#, ASP.NET, C, C++, Visual Basic,
Java, CSS, HTML, JavaScript, SQL,
AJAX, JSF

Applications

Microsoft Visual Studio 2010, Eclipse,
Jenkins, HP Fortify, Install Shield 2013,
Oracle VirtualBox, IDEA IntelliJ

Database

SQL Server Management Studio, SQL
Server Business Intelligence
Development Studio, Toad for Oracle

Operating Systems

Microsoft Windows Server 2012,
Windows 10, Windows 7, Linux, Cisco

Cybersecurity

Wireshark, Nmap, Nessus

LANGUAGES

English

Native language

Spanish

Speak, read, and write with basic
competence

- Analyzed network characteristics, investigates and resolves network and hardware matters of significance

Application Developer (07/2009/07/2010)

Advancia (Fort Leonardwood, MO)

- Applied in-depth understanding of business and IT requirements and problem solving skills that streamlined administration and internal processes
- Designed, implemented, enhanced, maintained, and analyzed existing software systems that improved efficiency by 40%
- Planned, tested, and implemented various Web-based applications using Java, JavaScript, and JSP
- Reviewed and developed detailed system specifications and modifying existing applications that accommodated changing business needs

Software Engineer (07/2007/07/2008)

Northrup Grumman (Fort Leavenworth, KS)

- Maintained 100% functionality of major components of the BICM simulation (BCTP Intelligence Command Module)
- Developed and designed web interface component of the BICM model ensuring user-friendly capabilities and user efficiency
- Performed skills as the subject matter expert for applications design and implementation. Maintained, managed, and organized MySQL database to work flawlessly with connected applications
- Developed and maintained applications using HTML, JSP, JSF, XML, JAVA, C, C++, C#, JavaScript, and Microsoft Visual Basic 6.0 and .NET
- Implemented new methods that establish problem solving, troubleshooting, and maintenance activities relating directly to the efficiency and effectiveness of computer operations and applications