Name: Julien McKinney Young

Labor Category/Skill Level: Senior Software Engineer
Total Experience (Years): 27 years
Education:
PhD, Computer Science, University of Alabama in Huntsville, Huntsville, Alabama (2017).
MS, Computer Science, University of Alabama in Huntsville, Huntsville, Alabama (2005).
M.S., Management Information Systems (1994), George Washington University, Washington, D.C (1994).
B.A, International Relations (1988) College of William and Mary, Williamsburg, Virginia (1988).

Professional Certifcates:
Oracle Certified Professional - DBA, 8i
Oracle Certified Professional - DBA, 9i

Experience:
August 2017 - present: Part-Time Faculty, University of Alabama in Huntsville, Dept of Computer Science:
Teach theoretical computer science courses at undergraduate and graduate level. Responsible for course material development, presentation and testing.

July 2000 - October 2014, Senior Software Engineer, Lockheed-Martin Corporation, Huntsville, Al:
Flight test engineer for data analysis tool development and installation.
Lead software development engineer for data analysis tool for THAAD-C2BM test bed. Responsible for design, implementation and maintenance as well as field installation. Used Oracle enterprise database, C++, Java and SQLPLUS for development tools.

July 1999 - July 2000, Programmer, Sirsi Corporation, Huntsville, AL:
Programmed library management software in Kernigan & Ritchie C on Unix. Developed software installation packages using InstallShield.

September 1996 to July 1999, Senior Programmer Analyst, CAS, Inc., Huntsville, AL:
Lead software development engineer for Missile Defense Data Center.   Currently responsible for designing relational database schema for data center science databases in Oracle and developing code/strategy to link data center into a nationwide secure networked "Virtual Data Center" using Java per BMDO directive. Visual C++/ database programmer responsible for the design and development of all application object oriented database structures and models for the United States Army Special Operations Command Aircraft/Weapons/Electronic (A/W/E) Mission Planning Software for a Windows environment. Designed and developed graphical user interfaces (GUIs) as tools for user interaction with databases. Key developer for the design and coding of database-specific functional modules for the A/W/E software. Coded flexible, dynamic parameter query manager for multiple database, multiple table, user determined queries. Developed, coded and successfully implemented the platform independent installation software and GUIs for the Army and Air Force A/W/E applications using InstallShield™ software tool. Successfully lead the effort to design, develop and implement a client/server, multi-user DISAMS (missile simulation model) functional decomposition relational database and software configuration management information system. Provided database management support to the DISAMS validation effort and performed detailed complex studies during the validation of the DISAMS model. Designed, programmed and deployed a user-friendly, menu-driven, personal computer-based Contracts Deliverables Tracking System that calculates and tracks deliverables, due dates and contract management information.

July 1991 to August 1996, Financial Program Specialist, **U.S. Department of the Treasury, FMS**, **Washington, D.C.:**

Government technical lead for a nation-wide, transaction processing system development and implementation contract that incorporated new database and communications technology with pre-existing legacy systems and models. Acted as the government representative at technical meetings such as in-process reviews with contractors and subcontractors, as well as at large national meetings such as the National Automated Clearing House Association (NACHA) Electronic Commerce Issues Meeting, June, 1996, Dallas, Texas. Evaluated all technical

documentation such as the System Requirements Specification (SRS), System Sub-System Specification (SSS), System Design Document (SDD) for the government side.

Developed menu-driven financial management information systems (MIS) and designed relational financial management databases for LAN-based PC environment in Paradox 4.0 for DOS and Paradox for Windows. Responsible for graphical user interface (GUI) design, development and implementation using Visual C++ for end-user access to the MIS. The newly developed system resulted in substantial reductions in the amount of time needed to track, calculate and report financial data. Led a team project for using Internet as a tool of communication between remote project participants (States, territories, Federal agencies) and the Dept. of the Treasury team.

Consulted on development of new systems in other departments on topics of network compatibility, structure and coding. Researched, designed and programmed an encrypted data gathering instrument distributed annually to 158 federal executive agencies. The data gathering software application both disseminated and returned financial data electronically which resulted in more accurate and time-effecient collection of data. Coordinated and participated in formal presentations and training seminars to federal executive agencies such as the Department of Defense Inspector General annual meeting and the Second Annual Government Financial Manager's Meeting. Provided technical advice and troubleshooting skills to users.

July 1995 to August 1996,Technical Trainer, **Softbite, Int'l, Chicago, IL.:**
Conducting database design and development classes for beginner to intermediate level analysts. Classes were conducted using DBMS packages, *Microsoft Access*™ and Borland's *Paradox for Windows*™.

September 1990 to April 1991, Technical Reporter, The Rose Sheet, FDC Reports, Chevy Chase, Md.:
Researched and analyzed business trends in cosmetic industry. Specialized in federal and environmental regulation. Coordinated tracking and synthesis of state and federal initiatives with respect to environmental and safety issues. Responsible for quarterly and year-end analysis of major firms' sales and earnings information.

April 1990 to September 1990, Management Analyst, Plans and Policy Division, Federal Prisons Industries, Inc., Washington, D.C.:
Researched and analyzed corporate management initiatives. Designed and developed a PC-based database information system to track initiative status and corporate progress. Coordinated Corporate-wide management assessment review process. Responsible for the analysis and streamlining process of Corporate Strategic Action Plan.

August 1989 to April 1990, Administrative Assistant, Task Force, Federal Prisons Industry, Inc., Washington, D.C.:
Designed a database to maintain recurring reports and summaries of activities as well as modified established programs to meet needs of task force in a UNIX mainframe environment.

June 1988 to July 1989, Financial Analyst, Guild Mortgage Co., Newport News, VA.:
Conducted formal presentations critiquing private and federal financial programs. Analyzed information regarding income, indebtedness, previous credit history and financial needs to develop qualification summaries.

Formal Recognition Received:
Lotus Magazine, Nov. 1991 - Innovative Applications