

Broad based creative designer with superior expertise obtained while working on a range of projects (large and small) at companies such as D&B, DUPONT, Citigroup; JP Morgan CHASE; ING; SONY; AT&T; Coca Cola; World Bank; Freddie Mac; Fannie Mae; Glaxo-Smith-Kline; Bank Of America; PJM; Vanguard Fidelity; SUN; Australian Embassy; Verizon; and FDIC to name a few.

### **Summary of Qualifications**

Designed and implemented **ETL methods for extracting large amounts of data; loading data into databases and other processes** that are utilized in **Reporting and Analysis Solutions**. **Reporting Solutions** were in the form of ad-hoc, standardized, customized, interactive, personalized, and web enabled reports. The **Methodologies** used have been the **Traditional Approach** (initiation, design, production, monitoring systems, **RUP** (Scope; validate the architecture; build software incrementally; validate and deploy system into Production); **PERT** (one time non-routine systems), and **Event Chain** (identifying and managing events and event chains that affect project schedules).

Designed; developed; implemented; modified; tested; and validated **complex reporting systems that loaded and extracted data from numerous sources and provided easy to use reported solutions that effectively met the business users needs**; facilitated meetings; analyzed and troubleshoot issues; ensured quality of work through designing test procedures; performed, designed, and provided full life cycle procedures and programs from requirements, analysis, development, through implementation, testing, training; and maintenance and all documentation.

### **Objective**

Seeks positions where I can maximize my abilities to define, project scope, and development of **BI Reporting Solutions** that involve SDLC including user, system, and test documentation while delivering **Reporting Solutions** in a timely manner and developing long term relationships.

### **Essential Functions:**

- Design/Developed **BI Reporting Solutions** through full life project cycle.
- Extensive experience in all phases of Data Warehousing System development includes logical and physical data modeling; schema and metadata design, **ETL**, and data mapping.
- Experienced hands-on Senior Systems Analyst, **Programmer Analyst, Business Analyst**; In addition, developed user, system, and training manuals and course documentation.

### **Professional Experience (Summarized)**

D & B, **Sr Analyst** - Programmed in SAS; Business Objects; Mainframe Tools  
Sedgwick CMS, **Sr Business Analyst & Programmer** - Programmed in Informatica  
HIM On Call, **Project Manager** - Responsible for the Overall Software Development  
Surveillance Data, **Sr Bus Analyst/Prog** - Full Life Cycle Dev, Programmed in SAS  
CitiGroup **Sr Con/Bus Analyst/Prog** - Designed/Dev Basel II Application  
Bank Of America **Sr Con/Bus Analyst/Prog** - Designed/Dev Credit Card Application  
JP Morgan Chase, **Sr Con/Bus Analyst/Prog/ETL** - Dev Credit card Application  
PJM Interconnection, **Sr Con/Bus Analyst/Prog** - Dev Energy Transmission Repts  
ING, **Sr Con/Bus Analyst/Prog** - Dev/Managed SAS to Informatica Conversion  
Glaxo-Smith-Kline, **Sr SAS Developer** - Developed Microstrategy Reports  
FDIC, **Sr Prog/Analyst** - Maintained Mission Critical Banking System  
MCI/Verizon), **Sr Consultant/Bus Analy/Prog/ETL** - Dev Telecom Reporting Sys  
Concord EFS, **Data Liaison** - Improved Efficiency, Reduced Errors, Tuned Servers  
Freddie Mac, **SAS Developer/ETL** - Created and Implemented ETL Process  
Calypso Online, **Sr Software Eng** - Designed/Dev Commission Process  
World Bank, **Sr Data Conv Arch** - Conv Accting Application From FOCUS to SAP  
Fannie Mae, **SAS Analyst/Dev** - Dev Automated Appraisal Process  
Verizon, **FOCUS Developer** - Designed/Dev Feasibility Studies  
Mobil/Exxon, **Sr Bus Analyst/Prog** - Designed/Dev Lube Tracking System  
Litton PRC, **Sr Bus Analyst/Prog** - Programmer  
NAVY, **Data Architect/Prog** - Programmer  
Computer Learning Center, **Instructor** - Taught UNIX & C  
Australian Embassy, **Instructor** - Taught WordPerfect  
AT&T/Lucent/Bell Labs, **Member of Tech Staff** - Designed/Dev Billing Tariff System  
SONY, **Sr Systems Prog/Analyst** - Developed Broadcast Proposal System  
CocaCola, **Sr Consultant** - Programmed in PL/I  
Vanguard Fidelity, **Sr Consultant** - Programmed in SQL  
Meritor Financial, **Sr Consultant** - Created Mortgage Delinquency Application  
DUPONT, **Sr Consultant** - Programmed a Pharmaceutical Application  
Union County Community College, **Instructor** - Taught IBM Assembler  
National Science Foundation, **Programmer** - Programmed in COBOL

**Environment:** Oracle,API, SQL, MS Office, MS Reporting Services, Informatica, UNIX, Java, SAS, PeopleSoft, Mainframe, VB, Ab Initio, Citrix, Toad, NT, Sybase, MicroStrategy, WebMD, COBOL, DB2 UDB, FOCUS, AIX, Harvest, C, Crystal Reports, Business Objects, SAP, VM/CMS, Teradata, PL/I, Dec VAX, Informix, Assembler, Adabas/Natural.

**Education:** *PhD* Candidate OR, *MS* in Sys Eng & Comp Sci, *BS* Psy

## Professional Experience (Detailed)

### **Dun & Bradstreet/Matrix, Center Valley, PA 03/08 – Present**

#### ***Senior Analyst***

- Designing/redefining process to extract 160 million rows (monthly) of GRP data (Global Risk Profiler - scoring global businesses and corporate linkage information) for Walmart; and EMMA data (emerging markets mediation) – providing methodologies to compare businesses statistically by scores that predict the likelihood of a business being problematic in paying bills.
- Extracting data via API from St. Louis Federal Reserve and EDGAR I-Matrix data using tags to blend scoring for validations, accuracy, completeness, and timeliness by identifying high-risk accounts and manage risk exposure. In addition, supporting FSS (Financial Stress Score) which provides the highest level of predictive performance by effectively leveraging financial statement and national debt rating data.
- **Supporting clients such as M&I, CitiGroup, GE, JPMC, Univision, CRST, Bank of America, TD Bank, Fleetcor, GE, AMEX, Capital One, Sprint, FICO, M&T, KeyBank, HP, Whitney Bank, Dow Jones, Travelers, Allstate, Lowes, via translations, scrubbing, and integrating large amounts of data into understandable charts, reports, and/or files.**
- Creating tools to retrieve SBRI (Small Business Risk Insight) data via numerous tools to support solutions for financial institutions that lend to small businesses, highly predictive lending performance data about prospective small business customers in terms of evaluating credit risk and preventing fraud and conducting customer portfolio monitoring.
- Designing and developing algorithms and methodologies to search and extract vast amounts of data and processing, Creating and cleansing data for origination & performance data validation across time periods for Standard and Custom Predictive Indicator reporting.
- Implementing Propensity Deposit Model (Based on Survey of Small Business finances from the Federal Reserve (SSBF) – a method of comparing financial services among firms of differing sizes involving company characteristics as well as banking services and trade aligned with depository information.
- **Reporting Tools Used: SQL, MS Access, MS Excel, SAS, Mainframe Tools, API, & Business Objects.**
- **Environment:** Oracle data warehousing technology, PL/SQL, Business Objects, Mainframe, UNIX.

### **Sedgwick CMS/ComForce, Memphis TN 11/07 – 02/08**

### ***Senior Business Analyst & Programmer***

- Designed **client/user requirements**; created ETL streams using Informatica to extract, manipulate, and interpret insurance claims administration, managed care, program management and related services for large employers such as the state of West Virginia.
- Assumed responsibly and developing expertise in programmatically assessing insurance carriers and regulatory groups.
- **Tested and debugged Informatica programs.**
- **Reporting Tools Used: SQL, MS Access, MS Excel, & Informatica.**
- **Environment:** Oracle 10g, Oracle data warehousing technology, PL/SQL, Informatica, UNIX.

### **HIM On Call, Allentown, PA 07/07 - 11/07**

#### ***Project Manager***

- Responsible for the overall software development process and team for a DocuXP application. DocuXP, a web-based Electronic Medical Patient Record System, that allows users to generate coding, abstracting, and revenue related management reports.
- Developed project plan and time lines by allocating resources, including directing offshore team.
- Managed the testing and implementation of new Java based application.
- Researched and developed best practices for application development and production maintenance.
- Collaborated with development team members on a weekly basis and provided updates to senior staff.
- **Tested and validated Java and PL/SQL programs.**
- **Reporting Tools Used: SQL, MS Project, MS Excel, & Informatica.**
- **Environment:** Oracle 9i, Oracle data warehousing technology, PL/SQL, Java, UNIX.

### **Surveillance Data, Plymouth Meeting, PA 11/06 - 07/07**

#### ***Senior Business Analyst & Programmer***

- Designing/redefining **client/user requirements**; creating pharmaceutical study designs, **business rules**; performing statistical analysis;
- Creating data views/templates and report drafts; creating technical specifications; performing quality assurance checks using HIPAA compliant, integrated hospital/doctor/office/lab/prescription and/or healthcare claims data to meet pharmaceutical custom analytical business needs.
- **Analyze project requirements**, define and instructed project scope, scheduled, work tasks for programmers;
- Managed and reported project status; provided, managed project members tasks and responsibilities; communicated project milestones, risks, and other information; facilitated meeting; analyzed and troubleshot issues; ensured quality of work through designing test procedures;
- Maintained positive relationships among team members including sales, marketing, programming, and testing staff.
- Programmed in SAS, SQL, MS Reporting Services

- **Reporting Tools Used:** SAS, SQL, MS Access, MS Excel, MS Reporting Services (SSIS).
- **Environment:** SAS (including Macros), Oracle 10g, Oracle data warehousing technology, PL/SQL, MS SQL Server, UNIX.

**CitiGroup/Jean Martin, New York, NY 01/06 - 10/06**

***Senior Consultant/Business Analyst & Programmer***

- Designed; developed; implemented; modified; tested; and validated complex banking rules, programs; production systems, algorithms for International Basel II standardization application.
- Managed the SAS implementation and integration with PeopleSoft, Oracle 10g, and **MS/SQL Reporting Services**.
- Created Reports to show and help analyze country level portfolio data.
- Performed project management task such as scope, scheduling, and reporting issues for the team.
- Lead conversion from existing process to the utilization of the Basel II standards using the latest SAS data mapping technology.
- **Reporting Tools Used:** SAS, SQL, MS Access, MS Excel, MS Reporting Services (SSIS).
- **Environment:** SAS (including Macros), Oracle 10gi, Oracle data warehousing Technology, SQL Plus, UNIX shell scripting, PeopleSoft

**MBNA(Bank OF America)/Sharp Decisions, Wilmington, DE 09/05 - 01/06**

***Senior Consultant/Business Analyst & Programmer/Developer***

- Designed validation methodology for MBNA (Bank Of America), and TSYS portfolio conversions to the Bank Of America credit card portfolio. Provided full life cycle development including testing, documentation, and requirements development.
- **Reporting Tools Used:** SAS.
- **Environment:** Mainframe, SAS, and VB.

**JP Morgan Chase/Comsys, Wilmington, DE 01/05 - 08/05**

***Senior Consultant/Business Analyst & Programmer/ETL Architect/Developer***

- Designed; developed; implemented; modified; tested; and validated/correction of complex banking rules, programs; production systems, algorithms for CHASE & Bank1One.
- Made other technological improvements related to the automated scoring engine and mission critical processes for daily, monthly, and quarterly credit card processing along with additional merger related credit card activities.
- **Reporting Tools Used:** SAS, SQL, MS Access, MS Excel, MS Reporting Services (SSAS, SSIS, SSRS).
- **Environment:** SAS, Oracle 9i, Oracle Data Warehousing Technology, SQL Plus, UNIX shell Scripting, Ab Initio.

**PJM Interconnection/Endasol, Valley Forge, PA 03/04 - 12/04**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed applications and reports that support PJM as a regional transmission organization.
- Development involves supporting the reliability of the largest electric grid in North America;
- Provided objective oversight and market monitoring of the operation of electrical markets; examination of transmission congestion costs and the potential for an electrical market participant to exercise undue market power; detection of design flaws in operating rules, standards, procedures and practices, or structural problems in the PJM markets so that they can be addressed.
- **Reporting Tools Used: SAS.**
- **Environment:** SAS (including Macros), Oracle 9i, Oracle data warehousing technology, Citrix, toad, UNIX, SAS V8, NT, SQL, and Mainframe.

**ING/Sharp Decisions, Hartford CT 08/03 - 02/04**

***Senior Consultant/Business Analyst & Programmer/Developer***

- Managed the conversion of a production data warehousing application to Informatica Power Center 6 for ING.
- The ETL process was converted to the informatica extraction, translation, and loading model while maintaining normalization, access paths, and data mapping, conversion, and integrity. Ralph Kimball methodologies were utilized throughout the design to implementation.
- Guided management and staff through the business intelligence integration solution.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel, Informatica.**
- **Environment:** Informatica Power Center 6, UNIX, SAS V8, Sybase 11 data warehouse, NT, SQL, and Mainframe.

**Glaxo-Smith-Kline/TAC Worldwide, Philadelphia, PA 01/03 - 07/03**

***Senior Data Conversion Architect/SAS Analyst/Developer***

- Created numerous ad-hoc reports on demand for Glaxo-Smith-Kline.
- Reports created using MicroStrategies desktop; oracle SQL plus 8i data warehouse;
- In house data; MS Access; Excel; UNIX; and SAS V8 for UNIX Reports were across all drugs and were related to counts and market share information.
- Documented and optimized SQL queries ad-hoc reports for sales team/pre-sale support teams. Extracted data from external sources.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel, and MicroStrategy.**
- **Environment:** IBM, SAS, UNIX, Oracle 9i, WebMD.

**FDIC/Ciber, McLean, VA 12/01 - 12/02**

### ***Senior Programmer Analyst***

- Analyzed, developed, designed, and modified programs for mission-critical banking information.
- Programmatically evaluated banks in terms of profitability and therefore the ability to survive.
- Developed data cleansing procedures using SQL stored procedures, and Trillium. Conducted project management and database design review on multiple projects.
- Performed day-to-day management of a team (5 people).
- Loaded and extracted data from/to DB2 UDB.
- Developed and implemented testing requirements and documentation for full life cycle analysis. Performed and implemented data scrubbing methodologies via SAS to create standardized data.
- Performed QA and GAP analysis.
- **Environment:** IBM, NT, SAS, SQL\*Plus, PL/SQL, SQL, COBOL, DB2 UDB.

**MCI(WorldCom,Verizon)/Comsys, (Remote from Home) McLean, VA 08/00 - 02/02**

### ***Senior Consultant/Business Analyst & Programmer/ETL Architect/Developer***

- Responsible for the development and maintenance of headquarter financial analysis and reporting for MCI (WorldCom).
- Architect of the technical support for the MCI Friends and Family marketing initiative. **Developed numerous adhoc-reporting tools.**
- Trained senior level management on the headquarter reporting process in Pentagon City and Chicago.
- **Created SQL, load/extract routines for Data Warehousing initiatives.**
- **DB2 querying process developed to report on billing records.**
- Architect of testing procedures for SAS, FOCUS, DB2, and COBOL development to production migrations.
- Created testing standards for headquarter reporting system.
- Trained management on system functionality; Created all documentation for system and **Report generator process.**
- Controlled, managed, designed, and implemented all testing procedures and documentation.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel, FOCUS..**
- **Environment:** IBM, COBOL, SAS (including Macros), FOCUS, VM/CMS, NT, DB2 UDB, Easytrieve, SQL, Oracle 9i, UNIX shell scripting.

**Concord EFS/SUN Microsystems/Algomod, Wilmington, DE 02/01 - 11/01**

### *Data Liaison*

- As data liaison I analyzed the ATM End Of day process to improve efficiency in terms of programmatically errors, server errors, and other server tuning methodologies.
- Monitored, and improved this process during the migration from IBM mainframe to AIX and then to a SUN Solaris E10000 2.7 server. Oversaw and improved testing migration process to trap programming errors before installation to production.
- **Environment:** SUN, NT, C, Syncsort, COBOL, and AIX.

### **Freddie Mac/Keane/Princeton Information, Tyson's Corners, VA 05/00 - 01/01**

#### *Data Warehouse SAS Developer/ETL Architect*

- In charge of the SAS portion of the Servicers Corporate Data Warehouse initiative (the first Data Warehouse at Freddie Mac).
- Conducted project scope analysis for the SAS development and the SAS user requirements analysis. Assisted in the design of the logical and physical database models for the warehousing system and the star schema.
- Designed and implemented warehouse structure integrated with Enterprise Portal. Developed dimensional models and aggregation strategy for DSS.
- Designed and deployed a SAS daily, weekly, and monthly mortgaging reports accessible via WEB OLAP which allow customer personalization.
- Developed data cleansing procedures using SAS and SQL stored procedures.
- Developed repository of data for testing; extracted, transformed and loaded data with Ab Initio tool; collected business requirements and used Ab Initio graphs to load, populate, cleanse, and process large data sets; advanced knowledge of Metadata validation.
- Processed web server logs that contained mortgaging data, translated data from Sybase, and data from legacy systems via Ab Initio to create new enterprise. Oracle, Db2 UDB, Solaris tools, shell scripting, autosys, microstrategy and other business intelligence tools were utilized. Lead a technical team to implement portions of a data warehouse application.
- Extracted servicer-mortgaging information from Oracle using Ab Initio to move data and transform, integrate, and load into our Sybase, and DB2 tables. Created customized adhoc reports via Ab Initio. Conducted performance tuning for the warehousing system.
- Retrieved and loaded Peoplesoft data into DB2 Oracle tables. Trained senior managers on SAS application and usability. Created numerous C and UNIX shell scripts, triggers, and functions for the production processing of incoming and outgoing data files. Created numerous C and SAS SQL and PL/SQL embedded programs to manipulate the mortgaging analysis process.
- Tested, designed, and developed all testing procedures and created all documentation methodologies for harvest migrations, and SAS embedded PL/SQL code migration to production.
- **Reporting Tools Used: SAS, SQL, Microstrategy.**

- **Environment:** SUN, NT, Oracle 8i, DB2 UDB, Sybase 10/11.x, Peoplesoft, SAS, Microstrategy, C, UNIX Shell Script, Ab Initio, SQL, PL/SQL, Harvest, IBM, COBOL.

**Calypso Online, Sterling, VA 09/99 - 04/00**

***Senior Software Engineer/Programmer***

- The Architect of the commission's process. Provided additional Oracle data solutions for statistically tracking customers, likes/dislikes; Loaded information into an Oracle Data Warehouse.
- Created Web pages for stores. Object oriented programming features were used.
- Managed the testing procedures that were carried out by subordinates, including documentation, web page requirement analysis.
- **Reporting Tools Used: HTML, Crystal Reports.**
- **Environment:** Toad, UNIX, SUN, NT, Oracle 8i, Java, JavaScript, Shell Script, C, SQL\*Plus, SQL, Seagate Crystal Report, and Linux.

**World Bank/TAC Worldwide, Washington, DC, VA 03/99 - 08/99**

***Senior Data Conversion Architect/SAS Analyst/Developer***

- Maintained and converted a World Bank PC/Mainframe system from FOCUS to SAP.
- Assisted all worldwide users with their monthly headquarter reporting process.
- Performed system functionally analysis, feasibility and forecasting analysis.
- Created FOCUS and SAP reports during conversion.
- **Reporting Tools Used: SAP, MS Access, MS Excel**
- **Environment:** IBM, FOCUS, SAP.

**Freddie Mac/Keane/Princeton Information, Tyson's Corners, VA 03/96 - 02/99**

***Data Warehouse SAS Developer/ETL Architect***

- In charge of the SAS portion of the Servicers Corporate Data Warehouse initiative (the first Data Warehouse at Freddie Mac).
- Conducted project scope analysis for the SAS development and the SAS user requirements analysis. Assisted in the design of the logical and physical database models for the warehousing system and the star schema.
- Designed and implemented warehouse structure integrated with Enterprise Portal. Developed dimensional models and aggregation strategy for DSS.
- Designed and deployed a SAS daily, weekly, and monthly mortgaging reports accessible via WEB OLAP which allow customer personalization.
- Developed data cleansing procedures using SAS and SQL stored procedures.
- Developed repository of data for testing; extracted, transformed and loaded data with Ab Initio tool; collected business requirements and used Ab Initio graphs to load, populate, cleanse, and process large data sets; advanced knowledge of Metadata validation.
- Processed web server logs that contained mortgaging data, translated data from Sybase, and data from legacy systems via Ab Initio to create new enterprise. Oracle, Db2 UDB, Solaris tools, shell scripting, autosys,

- microstrategy and other business intelligence tools were utilized. Lead a technical team to implement portions of a data warehouse application.
- Extracted servicer-mortgaging information from Oracle using Ab Initio to move data and transform, integrate, and load into our Sybase, and DB2 tables. Created customized adhoc reports via Ab Initio. Conducted performance tuning for the warehousing system.
- Retrieved and loaded Peoplesoft data into DB2 Oracle tables. Trained senior managers on SAS application and usability. Created numerous C and UNIX shell scripts, triggers, and functions for the production processing of incoming and outgoing data files. Created numerous C and SAS SQL and PL/SQL embedded programs to manipulate the mortgaging analysis process.
- Tested, designed, and developed all testing procedures and created all documentation methodologies for harvest migrations, and SAS embedded PL/SQL code migration to production.
- **Reporting Tools Used: SAS, SQL, Microstrategy.**
- **Environment:** SUN, NT, Oracle 8i, DB2 UDB, Sybase 10/11.x, Peoplesoft, SAS, Microstrategy, C, UNIX Shell Script, Ab Initio, SQL, PL/SQL, Harvest, IBM, COBOL.

**Fannie Mae/Verizon/TAC Worldwide, Wash, DC & Silver Spring, MD 03/95 - 02/96**  
***Senior Data Conversion Architect/SAS Analyst/Developer***

- Designed and developed analysis tools to support Fannie Mae in their automation of the appraisal process.
- Create SAS **adhoc reporting** process.
- Decoded street data programmatically from Dun and Bradstreet and in house data. Provided full life cycle testing for all SAS development for the department.
- Designed and developed analysis tools to support the payphone division for Verizon.
- Feasibility studies concerning payphone locations were determined by this reporting.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel**
- **Environment:** IBM, FOCUS, SAS V8 (including Macros), UNIX, Oracle

**Mobil/Exxon/Comsys, Fairfax, VA 04/94 - 03/95**

***Senior Consultant/Business Analyst & Programmer/ETL Architect/Developer***

- Created the LUBE reinvestment System which tracked \$20 Million in loans for Mobil/Exxon.
- Mobil/Exxon lent these monies to oil changing facilities.
- Single handedly manned the world wide payroll system for Mobil.
- Trained management on system functionality; Created all documentation for system and **Report generator process.**
- Controlled, managed, designed, and implemented all testing procedures and documentation.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel, FOCUS..**
- **Environment:** IBM, COBOL, SAS (including Macros), FOCUS, VM/CMS, NT, DB2 UDB, Easytrieve, SQL.

**Litton PRC, VA 11/93 - 03/94**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed a FOCUS of Windows menu driven process.
- **Reporting Tools Used: FOCUS.**
- **Environment:** IBM, and PC FOCUS.

**NAVY, Tyson's Corner, VA 03/93-11/93**

***Data Architect/Programmer***

- Converted Mainframe FOCUS system to SUN Solaris UNIX FOCUS.
- **Environment:** FOCUS and UNIX.

**Computer Learning Center. Alexandria, VA 11/93 - 06/94**

***Senior Instructor (Evening)***

- Taught UNIX, C, and shell scripting to senior level students.
- **Environment:** HP, IBM, SUN/UNIX, FOCUS, UNIX Shell Script,C.

**Australian Embassy, Washington, DC 05/91 - 12/91**

***Senior Instructor (Evening)***

- Taught WordPerfect to staff.
- **Environment:** PC and WordPerfect.

**MCI (WorldCom)/Comsys, Pentagon City, VA 03/91 - 02/93**

***Senior Consultant/Business Analyst & Programmer/ETL Architect/Developer***

- Responsible for the development and maintenance of headquarter financial analysis and reporting for MCI (WorldCom).
- Architect of the technical support for the MCI Friends and Family marketing initiative. **Developed numerous adhoc-reporting tools.**
- Trained senior level management on the headquarter reporting process in Pentagon City and Chicago.
- **Created SQL, load/extract routines for Data Warehousing initiatives.**
- **DB2 querying process developed to report on billing records.**
- Architect of testing procedures for SAS, FOCUS, DB2, and COBOL development to production migrations.
- Trained management on system functionality; Created all documentation for system and **Report generator process.**
- Controlled, managed, designed, and implemented all testing procedures and documentation.
- **Reporting Tools Used: SAS, SQL, MS Access, MS Excel, FOCUS..**
- **Environment:** IBM, COBOL, SAS (including Macros), FOCUS, VM/CMS, NT, DB2 UDB, Easytrieve, SQL, UNIX shell scripting.

**AT&T/Lucent/Bell Labs, Piscataway, NJ & Parsippany, NJ 12/89 - 03/91**

***Member of Technical Staff***

- Designed and implemented a financial application for billing information using FOCUS and Informix.
- Programmed in FOCUS, VM/CMS.
- **Reporting Tools Used: FOCUS.**
- **Environment:** IBM, FOCUS VM/CMS and Teradata.

**SONY, Park Ridge, NJ 12/88 - 12/89**

***Senior Systems Programmer Analyst***

- Developed proposal process that used in every SONY broadcast location in the US.
- Created numerous **adhoc and production reporting processes**.
- Developed testing plan, setup all user interviewing and testing scenarios for transfer of the broadcast system to every US broadcast facility.
- **Reporting Tools Used: FOCUS.**
- **Environment:** VAX/VMS, IBM, FOCUS, and Syncsort.

**CocaCola, Atlanta, GA 05/87 - 11/88**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed PL/1 programs for Coca Cola.
- Created testing procedures for installing development to production migrations.
- **Environment:** IBM, PL/1, DB2, SQL and COBOL.

**Vanguard Fidelity, Malvern, PA 01/87 - 05/87**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed SQL programs for loading and reporting from DB2 for Vanguard Fidelity.
- **Environment:** IBM, DB2, SQL.

**Meritor Financial, Philadelphia, PA 09/86 - 01/87**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed mortgage delinquency subsystem application in FOCUS for Meritor Financial.
- Determined methodology for subsystem testing, user involvement, and production migrations.
- **Environment:** IBM, FOCUS.

**DUPONT, Wilmington, DE 05/86 - 09/86**

***Senior Consultant/Business Analyst & Programmer***

- Designed and developed a pharmaceutical application for DUPONT in FOCUS Adabas/Natural and COBOL.
- Created, designed testing methods for programs to meet DUPONT standards.
- **Environment:** IBM, FOCUS, ADABAS/Nature, and COBOL.

**Union County Community College, Scotch Plains, NJ 05/85 - 05/86**

***Senior Instructor (Evening)***

- Taught IBM Assembler.
- **Environment:** IBM and Assembler.

**AT&T/Lucent/Bell Labs, Freehold, NJ 06/84 - 04/86**

***Member of Technical Staff***

- Designed and implemented an Informix app for tracking tariff data.
- Created testing methodology to test human factors analysis for assigning telephone buttons to functionality
- Supervised testing; questionnaire development; development user selection methodology and implemented testing plan.
- Programmed in C, UNIX, Shell Script, and Informix.
- **Reporting Tools Used: Informix.**
- **Environment:** IBM, Informix, Dec VAX, UNIX, C, Shell Script, and Teradata.

**National Science Foundation, Washington, DC 10/82 - 04/84**

***Programmer***

- Programmed in COBOL.
- **Environment:** IBM and COBOL.

**Education**

**PhD** Candidate in Operations Research, Rutgers University, 1985

**MS** in Systems Engineering, Howard University, 1984

**MS** in Computer Science, Howard University, 1984

**BS** in Psychology, Howard University, 1982

In top 1% percentile in US in SAT & GRE math sections