Charles C. Carter
Information Technology and Data Science Professional

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SKILLS

Predictive modeling and quantitative analysis
Database application programming
Web application programming
Systems administration (Linux, BSD, Solaris, Windows 2000)
Web server administration (Apache, Tomcat)
Database server administration (SQLite, MySQL, PostgreSQL, SQL Server)
Database management and institutional research
Website development
Microsoft Office (Word, Excel, PowerPoint, Access, Outlook)

EDUCATION

Ph.D. Candidate, Software Enginnering
Auburn University, Auburn, Alabama

Master of Science, Software Enginnering
Auburn University, Auburn, Alabama

Master of Science, Applied Computer Science
ColumbusState University, Columbus, Georgia

Bachelor of Arts, History, English Literature
Mercer University, Macon, Georgia

EXPERIENCE

Quantitative Analyst   Dec 2014 to present
Synovus Bank, 33 West 11th Street, Columbus, Georgia 31901

- developed predictive models (ARIMA, MARS, EARTH, etc.)
- assisted in SDLC activities (SRS, BRD, FRD, and design documents)

Database Manager   Nov 2004 to Nov 2014
Troy University, 506 Manchester Expressway, Suite B20, Columbus, Georgia, 31904

- automated enrollment, registration, and term processes
- developed and maintained systems for reporting and analysis of academic data
- developed and administered databases supporting critical university functions
- implemented applications and programs as needed to support university needs

System administrator, developer   Jan 2001 to Dec 2013 (part time)
CFGroup, 2315 Edgewood Road, Columbus, Georgia, 31904
- administered HTTP server (Apache) and database server (MySQL)
- administered operating system (SunOS and Linux)
- developed database driven web applications

Student, graduate assistant   May 2002 to May 2004
Columbus State University, 4225 University Avenue, Columbus, Georgia, 31907
- supervised student labs and tutored students
- administered Computer Science departmental servers (Linux, LinuxSE, FreeBSD)

Instructor   Jan 2000 to May 2002
Columbus Technical College, 928 Manchester Expressway, Columbus, Georgia, 31904
- taught computer literacy, web development, and programming languages
- administered web server for faculty and student web program (FreeBSD and Linux)

TECHNICAL PROFICIENCIES

- *Programming Languages:* R, Python, Perl, Java, Octave, Common Lisp
- *R Packages:* knitr, caret, ggplot2, dplyr
- *Database Management Systems:* SQL Server, SQLite, Access, MySQL, PostgreSQL, Datatel
- *Operating systems:* Linux, Solaris, FreeBSD, Windows 2000
- *Other:* Vim (vi), LaTeX 2_ε, graphviz, dia, git & github
- *Web Scripting Technologies:* HTML, CSS, XHTML, XML, XSLT, JavaScript
- *Office Applications:* Word, Excel, Access, PowerPoint, Outlook

TECHNICAL CERTIFICATIONS

Data Science Specialization
Coursera (Johns Hopkins University)

Machine Learning
Coursera (Stanford University)

Infomation Security Professional (CNSS/NSA 4011)
Auburn University, Auburn, Alabama

UNIX/Linux System Administration
Dekalb Technical College, Decatur, Georgia

Windows 2000 Network Administration
Columbus Technical College, Columbus, Georgia

Web Site Design
Columbus Technical College, Columbus, Georgia

Signal Officer Basic Course
U. S. Army Signal Corps, Fort Gordon, Georgia