

Charles C. Carter

Information Technology and Data Science Professional

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SKILLS

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

EDUCATION

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

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

Master of Science, Applied Computer Science
Columbus State 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)
CFGGroup, 2315 Edgewood Road, Columbus, Georgia, 31904

- administered HTTP (Apache) and database servers (MySQL)
- administered operating systems (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 servers for faculty and student web program (FreeBSD and Linux)

TECHNICAL PROFICIEN- CIES

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

TECHNICAL CERTIFI- CATIONS

Data Science Specialization
Coursera (Johns Hopkins University)

Machine Learning
Coursera (Stanford University)

Information 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