Charles C. Carter
Information Technology and Data Science Professional

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SKILLS

Data analysis and reporting
Predictive modeling and quantitative analysis
Report automation, design, development, testing, and maintenance
Agile processes: requirements engineering, documentation, training, etc.
Scripting with bash, Perl, JavaScript, and Python
Web application programming, GUI interface development
Database application programming, database management
Database server administration (SQLite, MySQL, PostgreSQL, SQL Server)
Institutional research and reporting
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

no degree, Mathematics
Columbus State University, Columbus, Georgia

EXPERIENCE

Instructor   May 2017 to Current
Embry Riddle Aeronautical University, AEC, Ft. Benning, Georgia 31905
- T-SQL, SQL Server, SQL fundamentals
- Programming in C#, program development and design
- ASP.NET, developing cloud applications
- Azure, Microsoft SQL Database, Azure application development

Student   January 2016 to present
Columbus State University, 4225 University Avenue, Columbus, Georgia, 31907

Quantitative Analyst   Dec 2014 to October, 2015
Synovus Bank, 33 West 11th Street, Columbus, Georgia 31901
- developed reproducible research automation with knjitr and $\LaTeX\,2_\varepsilon$
- developed mapping applications witb ggmap, choroplethr, and other R packages
- assisted in the development of automated data cleaning and rationalization procedures

- 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 (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

Instructor   Jan 2000 to May 2002
Columbus Technical College, 928 Manchester Expressway, Columbus, Georgia, 31904
- taught Web Development curriculem (HTML, CSS, JavaScript, serverside development, database development, etc.)
- taught computer literacy, web development, and programming languages
- administered web servers for faculty and student web program (FreeBSD and Linux)

TECHNICAL PROFICIENCIES
- *Programming Languages:* Perl, R, Python, Octave, C#, Java, 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), $\LaTeX\,2_\varepsilon$, graphviz, dia, git & github

TECHNICAL CERTIFICATIONS

Data Science Specialization	Coursera, Johns Hopkins University
Machine Learning	Coursera, Stanford University
Infomation Security Professional CNSS/NSA4011	Auburn University, Auburn, AL
UNIX/Linux System Administration	Dekalb Technical College, Decatur, GA
Windows 2000 Network Administration	Columbus Technical College, Columbus, GA
Web Site Design	Columbus Technical College, Columbus, GA
Signal Officer Basic Course	U. S. Army Signal Corps, Fort Gordon, GA

COMMUNITY SERVICE
- Teaching programming courses for the Columbus home school association
- Tutoring public school students in math
- Active in Gideons International