Charles C. Carter
Information Technology and Data Science Professional

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SKILLS

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

EDUCATION

Master of Science Candidate (2020), Analytics
Georgia Institute of Technology, Atlanta, Georgia

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

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

Bachelor of Arts, History
Mercer University, Macon, Georgia

no degree, Mathematics
Columbus State University, Columbus, Georgia

EXPERIENCE

Instructor (full time)   May 2017 to current
Embry Riddle Aeronautical University, AEC, Ft. Benning, Georgia 31905
- Instructor for the Microsoft Software and Systems Academy
- 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

Instructor (adjunct)   August 2017 to current
Columbus State University, 4225 University Avenue, Columbus, Georgia, 31907
- Software Engineering
- Advanced Database

Quantitative Analyst   Dec 2014 to October, 2015
Synovus Bank, 33 West 11th Street, Columbus, Georgia 31901
- developed reproducible research automation with knitr and $\LaTeX\,2_\varepsilon$

- developed mapping applications with 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 CERTIFI-CATIONS

TSQL Querying (Exam # 70-761)	Microsoft Corporation
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

TECHNICAL PROFICIEN-CIES
- *Programming Languages:* C#, Python, R, Octave, Perl, Common Lisp
- *RDBMS:* SQL Server, SQLite, PostgreSQL, MySQL
- *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 2ε, graphviz, dia, git & github

COMMUNITY SERVICE
- Columbus (Ga.) Data Science Meetup
- Teaching programming courses for the Columbus home school association
- Tutoring public school students in math
- Active in Gideons International