Charles C. Carter
Information Technology and Data Analytics Professional

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ABOUT

Database, software engineering, and data analytics professional. *Language proficiencies*: C# | R | Python | Perl | C. *Database proficiencies*: SQL Server | SQLite | PostgreSQL | MySQL. *Master of Science*: Applied Computer Science | Software Engineering | Analytics (in progress). ABD in Software Engineering.

EDUCATION

Master of Science Candidate (grad Dec. 2021), Analytics
Georgia Institute of Technology, Atlanta, Georgia

Ph.D. Candidate (ABD), 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
Mercer University, Macon, Georgia

no degree, Mathematics
Columbus State University, Columbus, Georgia

EXPERIENCE

Instructor (full time) May 2017 to July, 2021
Embry Riddle Aeronautical University, Fort Benning, Georgia 31905
Embry Riddle Aeronautical University, Marine Base Quantico, Virginia 22134
- Instructor, Microsoft Software and Systems Academy
- Cloud Application Development
- 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
- Primarily used C#, SQL Server, ASP.NET Core 3, and Azure

Instructor (part time) August 2017 to current
Columbus State University, 4225 University Avenue, Columbus, Georgia, 31907
- Operating Systems (C)
- Computer Science I (Python)
- Software Engineering
- Advanced Database
- Primarily used C, Python

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_ε
- developed mapping applications with ggmap, choroplethr, and other R packages

- assisted in the development of automated data cleaning
- assisted in SDLC activities (SRS, BRD, FRD, and design documents)
- Primarily used R, SQL Server

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
- Primarily used Perl, SQL Server, PostgreSQL

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
- Primarily used Perl, bash, MySQL

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 Web Development curriculum (HTML, CSS, JavaScript, etc.)
- taught computer literacy, web development, and programming languages
- administered web servers for web program (FreeBSD and Linux)
- Primarily used Perl, JavaScript, C++

TECHNICAL CERTIFICATIONS

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 PROFICIENCIES

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

COMMUNITY SERVICE

- Columbus (Ga.) Data Science Meetup
- Taught programming courses for the Columbus home school association
- Tutored public school students in math
- Active in Gideons International
- Piper, Mercer University Pipes and Drums