

# Charles C. Carter

## Information Technology and Data Analytics Professional

---

2315 Edgewood Road • Columbus, Georgia 31906  
(706) 662-6351 • ccc31807@yahoo.com  
<https://www.linkedin.com/in/ccc31807> • <https://github.com/ccc31807>

---

### ABOUT

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

### EDUCATION

*Ph.D. Candidate (ABD)*, Software Engineering  
**Auburn University**, Auburn, Alabama

*Master of Science Candidate (15 hours completed)*, 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 (part time)* August 2017 to current  
**Columbus State University**, 4225 University Avenue, Columbus, Georgia, 31907

- Operating Systems (language: C)
- Computer Science I (language: Python)
- Software Engineering
- Advanced Database

*Instructor (full time)* May 2017 to July, 2021  
**Embry Riddle Aeronautical University**, Fort Benning, Georgia 31905  
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

*Quantitative Analyst* Dec 2014 to October, 2015  
**Synovus Bank**, 33 West 11th Street, Columbus, Georgia 31901

- developed reproducible research automation with knitr and  $\text{\LaTeX}$  2<sub>ε</sub>
- 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)

**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
- 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 CERTIFI- CATIONS

Google Data Analytics Certificate

TSQL Querying (Exam # 70-761)

Information Security Professional CNSS/NSA4011

UNIX/Linux System Administration

Windows 2000 Network Administration

Web Site Design

Signal Officer Basic Course

Google LLC

Microsoft Corporation

Auburn University, Auburn, AL

Dekalb Technical College, Decatur, GA

Columbus Technical College, Columbus, GA

Columbus Technical College, Columbus, GA

U. S. Army Signal Corps, Fort Gordon, GA

## TECHNICAL PROFICIEN- CIES

- *Programming Languages*: Python, C#, R, Perl, C, 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), L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, 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