Resume
Michael Alan Brewer
Email: **brewer@uga.edu**

Professional Summary

Michael Brewer is a Web Developer Principal and a Certified HDI Support Center Analyst. Michael's responsibilities include developing applications for intranet and internet use, creating and managing databases, and desktop and network support; his skills include PHP, Javascript, Bash shell programming, Drupal, PostgreSQL, MySQL, data visualization, and git. He is a graduate of the University of Georgia with an AB in Music and a BS in Mathematics, and has also done graduate work in both Computer Science and Musicology. One of the applications he developed won a national award for innovation in advising technology. He serves on the board of the United States PostgreSQL Association and is a frequent speaker on PHP, PostgreSQL, SQL, open source in education, and geek culture at national and international conferences. Michael is an Athens native and is active in many community organizations.

Employment

Technical Employment History

The University of Georgia: Jan 2001 - present
Franklin College Office of Information Technology; Athens, GA
<u>Web Developer Principal</u>
- Developed several PHP/PostgreSQL web applications for the college, including inventory handling, voting, committee management, project management, bug-tracking, helpdesk, online appointment management, course evaluation, faculty/staff salary budgeting, and the award-winning [1] SARA (Student Advising and Registration Assistant) program
- Pantheon Best in WebOps Teams (2023, along with the rest of the Franklin OIT Web Team)
- HDI Certified HDI Support Center Analyst (2012)
- Certificate: MySQL for Developers with Developer Techniques (2015)
- Certificate: UGA: High Impact Leadership: Essentials (2018)
- Served on several University-wide committees on security, IT training, web development, and data management
- Created the syllabus for and taught a fourteen-class course on web development with PHP and PostgreSQL for University IT workers
- Presented several sessions on AJAX and migration to and best practices with PHP and PostgreSQL to state University System computing conferences
- Presented sessions on web development and the SARA advising system to regional and national NACADA conferences
- Presented session on Migrating to PostgreSQL to PgCon 2007 in Ottawa, Canada
- Presented sessions at Open Source Bridge (Portland, OR) in 2009, 2010, 2013, 2014, 2015, 2016, and 2017
- Presented sessions at OSCON (Portland, OR) in 2011, 2012, and 2014
- Presented sessions at PostgresOpen in 2014 (Chicago, IL) and 2015 (Dallas,TX)
- Presented session at SouthEast LinuxFest (Charlotte, NC) in 2016
- Hosted BoFs for Open Source in Education at PgCon 2007 and four OSCONs
- Co-founder and board member of United States PostgreSQL Association from 2008 – 2020, as well as 2022 (additionally serving as Secretary of PgUS)

Renaissance Interactive: Aug 1999 - January 2001
Renaissance Interactive; Atlanta, GA
<u>Applications Developer</u>
- Developed three-tier applications
- Ported Excel spreadsheets to JavaScript client-side applets
- Became proficient developing with SQL, COM, Visual Basic, ASP, and Cold Fusion

• Provided support for internal systems including hardware drivers, software updates, system rebuilds and installs

The University of Georgia: Jan 1998 - Jan 1999
Chemistry Department; Athens, GA
<u>Programming Specialist</u>
• Worked with faculty and staff to create a testing program to be used on 1200-person freshman Chemistry classes using VB 5 and Access
• Developed faculty/student test registration interface in Cold Fusion and Access

Non-Technical Employment History

Classic City Band: September 2010 - present
Athens, GA
<u>Principal Conductor</u>
• Conducts the oldest continuously-operating community band in Georgia
• Arrange and adapt music, as required
• Recruit players
• Select repertoire for concerts

Athens Brass Choir: Summer 2002 - present
Athens, GA
<u>Music Director</u>
• Founded a local community brass ensemble
• Arrange and adapt music, as required
• Recruit players
• Schedule and program concerts

Emmanuel Episcopal Church
Athens, GA
<u>Director of Music:</u> February 2017 - present
• Selects music
• Directs the choir
• Recruit singers

<u>Director of Youth Choirs:</u> August 2004 - Summer 2009
• Directed the youth singer program at church; initially a volunteer position, then a member of paid staff (from 2006 - 2009)
• Recruited singers
• Assisted the Director of Music with other tasks (arranging, guest-conducting, etc.) as needed

RespirOpera: Fall 2019 - present
Athens, GA
<u>Principal Conductor</u>
• Co-founded a local community opera company
• Conduct on concerts or rehearsals, as required

Opera Athens: Early 1997 - Mid 2000
Athens, GA
<u>Director of Operations</u>
• Co-founded a local professional opera company, including recruiting board and guild members, and assisting the Music Director with auditions
• Assisted with two successful productions
• Helped merge the company with the University's Opera Program in mid-to-late 2000

Education

Bachelor of Arts in Music (Summa Cum Laude)
The University of Georgia: Athens, Georgia
Graduation: June 1992

Bachelor of Science in Mathematics (Cum Laude)
The University of Georgia: Athens, Georgia
Graduation: December 2005

Master of Science in Computer Science (unfinished)
The University of Georgia: Athens, Georgia
Unfinished; left the graduate program to pursue employment in the private sector

Master of Arts in Musicology (unfinished)
The University of Georgia: Athens, Georgia
Started in 2016; unfinished

Community Activities

• Member of several musical ensembles, including the Athens Symphony (Principal Bass Trombone), Athens Brass (trombone), Classic City Band (Principal Conductor), Athens Brass Choir (Music Director), Big Band Athens (trombone), Dixieland Dawgs (sousaphone), Athens Master Chorale (singer, arranger, trombone), RespirOpera (Principal Conductor), and Emmanuel Episcopal Adult Choir (Director of Music)
• Participant in community theatre productions as actor, musician, and music director
• Composed original music (songs and underscoring) for "Song of a Child", a UGA Theatre Senior Seminar Project
• Participant in Athens Summer League (Ultimate Frisbee)
• Member of ASCAP
• Member of the UGA Redcoat Band Alumni Board of Directors from 2007-2009
• Volunteer feeder for Campus Cats

Resources

• [1] https://news.uga.edu/advising-program-wins-national-award/
• [2] http://www.postgresql.us