**CV for David McWhorter**; Masters Student and Chevron Assistantship Researcher, Geophysics, University of Georgia; Athens, GA

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***Research Interests***

Identifying stratigraphic sections using seismic refraction; incorporating SESAME data analysis to streamline geotechnical engineering procedures using three-dimensional variations in isotropic and anisotropic wave velocities. Further developing velocity models to interpret temperature, rock composition (including volatile content), and rock deformation fabrics using SESAME project data funded by the NSF EarthScope program under the American Recovery and Reinvestment Act of 2009 (Public Law 111-5).

# Education and Awards

**01-2004/01-2009** Airway Space Management, Technical Diploma, Community College of the AF

**04-2009/04-2010** Information Technology (Technical Training), North Georgia Technical College

**08-2014/08-2017** B.S., Geology, *College of Charleston*

* *Coursework:* Geology 101/105, Chem 111/112, Math 111, Spanish 101-202, Biology 101, 102, Water Resources, Geological Structure, Stratigraphy and Sedimentation, Field Studies (Western US), GIS Systems 1, Paleo-biology, Calculus 1, Calculus 2, Statistics, Minerology, Petrology, Seafloor Tectonics, Biology, NASA Space Mission and Design

***Awards***

*Military*: 3-time Air Force Achievement Medal Recipient, Good Conduct Medal, Global War on Terrorism Service Medal, National Defense Service Medal, USAF Short Term Deployment Ribbon, Korean Defense Service Medal, Retirement Certificate (Medical, Honorable) Signed by the President of the United States. Air Traffic Controller of the Quarter, 9Th Air Force, First Quarter, 2010. 5 Time Air Traffic Control Trainer of the Quarter. Airman Leadership School Academic Award Winner, Senior Airman Below the Zone (Commander Approved Early Promotion),

*Educational*: National Honor Society Member, Deans List (3X),) Who’s Who among American High School Students (1999-2003), Nasa PATHWAYS Career Internship Finalist (2015, 2016), NASA Space Mission and Design Program Finalist (2017), Hunsville, Alabama, Physics Competition, Runner-up, College of Charleston, Design of NASA cubesat to monitor geo-magnetic storms in lower Earth orbit (2017), Estwing Award in Field Geology, College of Charleston (2017), Inducted into Sigma Gamma Epsilon Geological Honors Society (2017)

# Skills & Abilities

## Software Competency

* Proficient in all Microsoft Office Utilities (Excel, Word, Outlook, Access); Typing Speed 72 WPM; Some C++ programming skills, MIROR data entry proficient, POS system trainer, ArcMaps 10.6 and ArcGIS map building and data entry proficiency. Analyst level competency in ARC GIS and a portfolio of work available upon request. Currently developing R programming and UNIX capabilities.

## Professional Memberships

* Geological Society of America, American Geophysical Union, Disabled American Veterans, Veterans of Foreign Wars, Sigma Gamma Epsilon Member (Geology Honors Society)

## Communication

* 2 year classroom leadership experience in Air Traffic Control sector of military/international operations. Advanced Spanish speaking skills (2 complete years of 200 level foreign language coursework.

## Leadership

* Former non-commissioned officer in the United States Air Force. Tower air traffic control supervisor OSAN JAFB, South Korea- one of the busiest and most complicated aerodromes in the world. 2-year human resource manager at multi-million-dollar retail operation. Team leader in data entry for large scale corporate ISP. Volunteer coordinator for Levi-Strauss Southeastern team. Provided over 10,000 hours of corporate training for Goodwill Industries of America.

# Work Experience

**Air Traffic Control Supervisor, *United* States Air Force – 01/2005-01/2009**

* Supervised and instructed airfield operations for multi-billion-dollar aerodrome. Forecasted weather conditions and ensured safety in over 50,000 international and domestic aircraft operations. Coordinated with base agencies and local departments for aircraft emergencies resulting in zero loss of personnel or aircraft during career.

**MIROR Analyst/Data Coordinator, *Windstream Communications- 04-2009/10-2010***

* Maintained database of customer and company internet connectivity hardware, assigned connections and virtually mapped 842,000 customer interface for Windstream system’s 8 state telecom area.

**Senior Supervisor, *Levi* Strauss and Co- 02-2012/03-2013**

* Managed 2 million in assets and 15-person team. Conducted performance evaluations, balanced payroll, and scheduled operating hours. Issued all disciplinary actions and fostered team improvement.

**Research and Laboratory Assistant, College of Charleston- 01/2015-08/2017**

* Laboratory Instructor Assistant, Earth History, fall 2015. Well core data analysis and record recovery, USGS and SCEMD, 2016, Charleston Floodplain Analysis, Charleston Resiliency Network/SCEMD 2017

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