

# AUSTIN V. DAVIS, GISP

## CURRENT POSITION

Research Geographer DBIV, US Army ERDC, Environmental Laboratory

3909 Halls Ferry Road,  
Vicksburg, MS  
39180

## EDUCATION

2012-2013	University of Southern California Masters of Science Major: Geographic Information Science & Technology GPA: 4.0	3551 Trousdale Pkwy, ADM 304 Los Angeles, CA 90089-4012
2010-2011	Mississippi State University Graduate Coursework – Continuing Education	75 B.S. Hood Dr. Mississippi State, MS 39762
2006-2010	Mississippi State University Bachelor of Science Major: Geoscience, Geography <i>Magna Cum Laude</i>	75 B.S. Hood Dr. Mississippi State, MS 39762
2008-2010	Mississippi State University Certificate of Geospatial and Remote Sensing Technologies	75 B.S. Hood Dr. Mississippi State, MS 39762

## EXPERIENCE

2014 – Present	US Army ERDC, Research Geographer (DB-IV)  <i>I am the Team Leader for the Geospatial Data Analysis Facility responsible for the application and development of geospatial science and theory related to the military's most challenging environmental concerns. I have expertise in application development, information technology, geospatial architecture, and system development and deployment. I also have expertise in the development and deployment of novel environmental sensor systems and large environmental data analysis. My mission is to create innovative solutions that protect, inform, and aid our nation to ensure America's dominance in geo-environmental disciplines.</i>  <i>Most Significant Projects</i> 1) <i>Environmental Toolkit for Expeditionary Operations – EQ/I 6.2/6.3</i> 2) <i>Characterization of Climate Change Impacts on Soil Structure, Vegetation and Contaminants – EQ/I 6.2/6.3</i> 3) <i>Novel Taxonomic Approach to Predicting Soil Biogeochemical Processes – EQ/I 6.2/6.3</i>	3909 Halls Ferry Road, Vicksburg, MS 39180
2010 – 2014	US Army ERDC, Research Geographer (DB-II)  <i>Geospatial application development and deployment in challenging computing environments, high-performance spatial modeling applications, spatial data analysis, spatial data management, spatial simulation, web-enabled spatial applications, and traditional spatial research. Secondary mission includes the development, characterization, and deployment of sensor platforms in remote or austere environments with low-power operating requirements. Reservist for the USACE GIS Cadre and participant in education outreach to enhance STEM literacy in regional school districts.</i>  <i>Most Significant Projects</i> 1) <i>Risk Quantification for Sustaining Coastal Military Installation Assets and Mission Capabilities – SERDP RC-1701</i> 2) <i>Data Collection, Data Processing, and Reachback Operations -- JIEDDO</i>	3909 Halls Ferry Road, Vicksburg, MS 39180
2009-2010	US Army Corps of Engineers, SMART Scholar  <i>As a recipient of the Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program, I worked along side the military's top environmental scientists working to apply geospatial technologies to the military's most challenging problems. Specifically, I participated in Unexploded Ordinance Defeat research involving a Gamma Ray</i>	3909 Halls Ferry Road, Vicksburg, MS 39180

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*shadow experiment using copper collimated sodium iodide gamma ray detectors to detect concealed targets. I also modified the cooling system on the Multispectral Infrared Camera Acquisition system and gained substantial field experience at China Lake and Yuma Proving Grounds.*

2008 – 2009 US Army Corps of Engineers, Student Contractor

*As a student contractor, I worked as a geography intern digitizing maps and images of Iraqi geology using ArcMap. I also analyzed sea grass imagery taken of the Biloxi Marsh in Louisiana.*

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2007 Starbucks, Inc.

*I worked as a Starbucks Barista during the summer of 2007.*

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Rd, Clinton, MS  
39056