

# JOHN M. AGEE, P.E.

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## Education

**Bachelor of Science in Engineering – Civil Specialty, Colorado School of Mines (Golden, CO), 2006**

## Engineering & Technical Skills

### Computer Skills

- Software
  - Microsoft Office
  - AutoCAD 2012
  - Autodesk Civil 3D 2012
  - EPANET 2
  - StormCAD XM
  - WaterCAD XM
- Programming
  - Fortran
  - Visual Basic
  - VBA Scripting
  - LISP (AutoCAD)
  - HTML & CSS
  - JavaScript & PHP

### Surveying Skills

- Use of Instruments and Surveying Methods
  - Brunton Compass
  - Chain
  - American Transit
  - Hand Level
  - Engineer Level
  - T-1 & T-2 Theodolites
  - Total Station
  - GPS

### Other Skills

- Drafting
- Technical Design
- Technical Writing
- Teamwork Experience
- Laboratory Familiarity
- Digital Video Editing

## International Ministry & Civil Engineering Experience

### Engineering Ministries International

**West Africa Zone Coordinator** Colorado Springs, CO, U.S.A. 2010 - Present

- Research and Planning to prepare for EMI's West Africa zone office
- Relationship & Design Projects coordination in West Africa region

**Project Leader & Civil Engineer** Colorado Springs, CO, U.S.A. 2010 - Present

- Recruiting and Management of volunteer teams including engineers, architects, and surveyors to partner with organizations requesting design assistance around the world (children's homes, schools, and university designs)
- Civil Engineering design & review for international projects, including water supply & treatment, water storage, wastewater treatment & disposal, hydrology & drainage, hydraulics & water conveyance, rainwater harvesting & storage

**Volunteer Disaster Responder (Samaritan's Purse)** Grand-Goâve, Petit-Goâve, & Léogâne, Haiti March 2010

- Performed community water supply assessments & implemented water treatment interventions for settlement communities
- Developed Microsoft Access database to track assessments & implementation and to coordinate with Samaritan's Purse

**Volunteer Civil Engineer (Prayers Farm Nigeria)** Ibagwa, Akwa Ibom State, Nigeria October 2009

- Designed fish farm & aquaponics training center site master plan with team of professional volunteers
- Assisted with site survey and performed soil percolation test
- Designed water supply, water storage, wastewater solutions, & site drainage

**Volunteer Civil Engineer (Rebuild Sudan)** Jalle, Jonglei State, Southern Sudan May 2009

- Designed school site master plan with team of professional volunteers
- Performed site survey, soil percolation test, and water quality testing of area wells
- Designed water supply, water storage, wastewater solutions, & site drainage

**Volunteer Civil Engineer (Global Outreach Mission)** Mokanji, Moyamba Dist., Sierra Leone March 2009

- Prepared hospital renovation plans with team of professional volunteers
- Assessed and designed water supply & wastewater treatment for 25-bed hospital facility

## JR Engineering

**Project Engineer** Centennial, CO, U.S.A. 2009 - 2010

- Competency in engineering practices, design plan sets, and construction processes
- Management of staff and project budgets & schedules
- Technical report writing for funding, permitting & design plan submittals
- Project management and coordination of design with Transportation, Structural, Land Development, and Survey teams
- Committees: Recruiting (hiring & training), CAD Development (company standards & procedures)

**Civil Design Engineer** Centennial, CO, U.S.A. 2006 - 2009

- Horizontal and vertical design of utility pipelines (potable water, non-potable water, sanitary sewer, storm sewer)
- Hydraulics & hydrology computer modeling (storm runoff, pipes, channels, ponds)
- Design of pump stations, groundwater well sites, non-jurisdictional reservoirs, and small-scale treatment solutions
- Demand modeling for water & sewer utility service

