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 & aquaponics farm 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

International Ministry & Civil Engineering Experience (continued)

WorldRelief/Baptist General Conference

Volunteer Sanitary Treatment Trainer — **Yogyakarta, Java, Indonesia** — **May 2007**

- Observation and interviews during site visits to villages devastated by May 2006 earthquake
- Trained local World Relief staff on septic tank & leech field design

Baptist General Conference

Short-term Missionary — **Province du Adamaoua, Cameroon** — **July 2005**

- Assisted with cross-cultural groundwater well caretaker training classes
- Groundwater well sampling and testing in remote villages

Achievements

Registered Professional Engineer, State of Colorado

- Passed P.E. examination in April 2010
- Graduated from accredited engineering school

Professional Societies

- American Society of Civil Engineers – Member (2006 – Present)
- American Water Works Association – Professional Member (2006 – Present)