

# Solomon A. Popoola

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**OBJECTIVE:** To join an engineering consulting /construction and/or energy establishment with challenging job position, career development, intellectual exposure, and limitless opportunities for growth in the industry where my experience, drive, initiative, and skills can be fully utilize professionally.

**ATTRIBUTES:** My previous supervisors have described me as highly motivated, self-starter, organize, creative, result and detail-oriented employee with excellent written, verbal and presentation skills. I have demonstrated the ability to work well independently and/or within a team, and adapt to new work environment.

<b>COLLEGE EDUCATION:</b>	<b>Location/GPA</b>	<b>Dates/Graduation</b>
<b>University of Colorado</b> <i>Masters of Science, Traffic /Transportation Engineering Certificates, Geographic Information Systems</i>	<b>Denver, CO</b> GPA 3.56/4.0	December, 2007

<b>Federal University of Technology</b> <i>Bachelors of Science, Civil /Environmental Engineering</i>	<b>Minna, Nigeria</b> GPA 3.0/5.0	December, 2001
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<b>PROFESSIONAL CERTIFICATION:</b>		
<i>Engineer Intern (EI)</i>	<b>Atlanta, GA</b>	Test Date: Oct. 2009
<i>Project Management Professional (PMP)</i>	<b>Atlanta, GA</b>	Test Date: Apr. 2010

**SOFTWARE SKILLS:** Experienced and conversant user of various computer programs, latest version - Microsoft Office (Word, Excel, Access, Outlook, PowerPoint, etc.), Autodesk products (AutoCAD 2008/09, Land Desktop 2008/09), Bentley Products (Caice V10, MicroStation J/V7, V8, and XM), Highway Capacity Manual, Synchro Studio 7 / SimTraffic, QRS II, TransCAD & PC Travel, ESRI products (ArcGIS 9.X) and construction management programs (Primavera/ Expedition, Microsoft Project, etc).

## **WORK EXPERIENCE:**

<b>Brindley Pieters &amp; Associates, Inc</b> <i>Civil Engineer:</i>	<b>Atlanta, GA</b>	Mar, 2008 – Mar, 2009
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- Responsible for range of calculations of hydraulics properties and tables for (slopes, elevations, capacities, etc). I calculated for pipe diameter/size of (sewer trunk and service laterals), slopes, elevations, and capacities manually and/or with computer modeling programs (Hydrograph, excel, etc) and laid-out the alternative routes.
- Performed conceptual and preliminary field investigations, data and video analysis to determine direction of flows. Prepared and modified AutoCAD drawings (plans, profiles, details) and other related graphics as assigned.
- Evaluated different pipe materials, diameter/sizes and routine alternatives to ensure adequate capacities/flows and other necessary conditions (e.g., construction cost, right-of-way, etc) are met.
- Recommended and selected cost effective routine alternatives for the project - gravity sanitary sewer replacement (Terrell Creek Outfall Phase-II). Edited and compiled specifications, cost estimates/Bid schedules (schedule of values), and reviewed bids documents.
- Researched and/or query property owners', tax ID and parcel/lot information on Fulton County GIS website and GIS-Shape files obtained from the City of Atlanta.
- Attended and participated in project meetings with local governments/stakeholders regarding elements of the project (design, survey, etc).

- Incorporated design changes and prepared conceptual, preliminary and final design of roadway (horizontal alignments, profiles, cross-sections, details, construction and staging plans) using MicroStation V7/ V8 and Caice V10.

**Regional Transportation Districts - Fastracks**

**Denver, CO**

*May, 2007 – Aug, 2007*

*Traffic Engineer (Intern):*

- Performed mainline Level of Service (LOS) calculations, intersection analysis and freeway simulation.
- Assisted with transportation corridor planning activities that included report writing and/or review.
- Conducted travel time studies/runs using Jamar Tech. instrument and/or HP GPS device.
- Conducted traffic impact studies, travel demand forecasting and evaluated studies/runs using PC Travels.
- Combined weekdays and weekend data, converted petrapro files into PDF's & VOL files for Synchro use.
- Used Highway Capacity Software (HCS) and Synchro Studio 7 to model traffic co-ordinations.
- Analyzed data obtain from travel time studies/runs using MS-Excel and Visio to produce comparison charts/figures e.g., used ADT counts to develop percentage of peak traffic (AM + Noon + PM) against all day.
- Developed corridor maps and travel time analysis (using travel time data collected and/or provided to develop graphs and other travel time related deliverables).
- Used Internet and Geographic Information System (GIS) library search tools and techniques to evaluate and/or enter data from existing sources to create new data for transit agencies route assessment.
- Reviewed environmental impact statements (EIS) and preliminary engineering documents for implementation
- Responded to requests for information (RFI), prepared construction cost estimates, attended meetings, and analyzed data.
- Prepared, created and modified engineering documents (cost estimates) and drawings using AutoCAD 2006.

**University of Colorado**

**Denver, CO**

*Aug, 2007 – Dec, 2007*

*Graduate Research Assistants:*

- Identified and diagnosed high accident locations within Denver Metropolis.
- Collected, processed and analyzed present and future traffic data.
- Analyzed and optimized traffic signals network/ corridors and Intersections.
- Prepared drawings (DNG & DWG) files and documented signal timing plans.
- Recommended safety and operational countermeasures.
- Studied/Investigated bus (es) and taxi access, layout and upgraded existing multi-modal transfer facilities.

**AIM Partners, Plc.**

**Alpharetta, GA**

*Apr, 2004 – Jan, 2006*

*Assistant Civil Engineer:*

- Participated in the design of raw water intake facility improvement (222 MGD), finished water transmission main (70,000 LF) and potable water lines replacements (162,000LF).
- Assisted with site hydrology/hydraulics design and sanitary/drainage sewer system design.
- Assisted with construction documents and specifications for land development projects (20 Acres).
- Participated in a comprehensive geotechnical and seismic study (design) and pile test for the \$150 million expansion of the Southern LNG Elba Island terminal to overcome the geotechnical challenges to allow successful completion of the project.
- Participated in preliminary layout of support facilities of petroleum refinery – FEED (200 Acres).
- Prepared architectural drawings (floor plans, elevations, sections and details) using AutoCAD 2004/LT.
- Created and modified engineering documents (drawings) using AutoCAD LT/2004 and LLD 2005.
- Assisted with preparing contract-engineering documents (engineering drawings, technical specifications, bid schedules, etc) and conducted quality assurance/quality control and shop drawing review).

- Attended and participated in informational meetings with local governments/stakeholders regarding elements of the projects (design, survey, etc).

**AIM Consultants, Ltd.**

**Abuja, Nigeria**

*Mar, 2003 – Mar, 2004*

*Field Engineer/Inspector:*

- Observed/supervised construction work in progress to ensure conformance with specifications.
- Interprets design engineering drawings and prepares construction working drawings, field sketches for revisions and/or additions for use by superintendents.
- Maintained daily reports and escalate variances to management promptly.
- Reviewed coordinated set of work drawings and analyzed shop drawing of moderate complexity.
- Prepared daily construction log and activities reports (labors, expenses, field notes, photographs, etc)
- Participated in the calculations required to prepare concrete reinforcement steel schedule, road/driveway, parking lot layout, geometric design, and survey activities during construction.
- Assisted with review and analysis of consultant provided design documentation (e.g., bid proposals, data, submittals, correspondence, etc) and assuring compliance with design criteria and jurisdictional codes.
- Assisted with AutoCAD drawings i.e., preparation and modification of plans, details, and other related graphics as assigned to implementation.
- Conducted construction-engineering functions – construction documents review, daily field inspections, prepared “As-Builts” and maintained construction documents.

**Julius Berger, Ltd.**

**Abuja, Nigeria**

*Mar, 2002 – Mar, 2003*

*Civil Engineer:*

- Assisted with plans production, details development and construction cost estimates.
- Created and modified engineering documents (drawings) using AutoCAD R14.
- Conducted density/moisture/compaction tests, concrete sampling and testing.
- Prepared bill of materials (BOM) to document quantities and costs.
- Provided quality control inspection and daily monitoring for the construction of commercial, institutional and public works facilities (roadways, dams, installations of telecommunication base stations, etc.)
- Conducted field inventories, utilities/drainage locations and/or mapping, conflicts identification, etc and consultation with utilities companies.
- Reviewed Environmental Impact Statements (EIS) and Preliminary Engineering documents for implementation.

**SUMMARY:** The professional experience and expertise I acquired from my previous employment assignments (engineering design and construction engineering functions) can be a tremendous benefit to any prospective employer.

**WORK STATUS:** U.S. Citizen

**REFERENCES:** Available Upon Request