

## BENON EMMANUEL

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### PERSONAL PROFILE

I am a passionate, determined and career-driven uprising Civil/Structural engineer, abreast with engineering theories, principles, specifications, standards, structural software (e.g. **Etabs**, **Sap2000** etc.); all garnered through training (in school and field) and aspiring to plunge deep in the sphere of Civil/Structural engineering through a higher knowledge-imparting medium. A success in this dream will help unearth and harness my full potentials and skills capable of bringing to bear the long-awaited dream of becoming the most sought-after Civil/Structural engineer in dear Ghana and beyond. I am very confident a high-ranking institution of your caliber is the perfect antidote to this quest.

### EDUCATION

**August 2015-June 2019:** BSc. Civil Engineering; Kwame Nkrumah University of science and Technology, Kumasi.

**Relevant Courses:** Structural Analysis, Theory of Structures, Reinforced Concrete Design, Steel & Timber Design and Structural Dynamics

#### Skills

- Acquired ability on analysis, sizing and designing of reinforced concrete structural elements using BS 8110 codes
- Capable of designing steel and timber structures by employing standards and specifications in BS 5950 and BS 5268 codes respectively.
- Knowledge in AutoCAD and Epanet.
- Literacy in Microsoft Office package (MS-Word, Excel, PowerPoint)

**2011-2014:** General Science; Queen of Peace Senior High School, Nadowli, Ghana

**Relevant Subjects:** Physics, Elective Mathematics, Core Mathematics, English Language, Information Communication Technology (ICT).

### WORK HISTORY/PROFESSIONAL EXPERIENCE

**September 2019-date:** National Service/Post National service; Building and Road Research Institute, Fomesua.

#### **Activities:**

**Project:** Structural integrity assessment of Queens Girls Senior High School dormitory block in Bibiani-Bekwai-Anhwiaso, Western region.2021

**Job Title:** Assistant Engineer

**Project:** Redesign of CSIR Science Village Gate for Head office, Accra.2021

**Job Title:** Team member

**Project:** Design of reinforced cement concrete footbridge. 2020

**Job Title:** Team member

**Project:** Structural integrity assessment of two (2) number 2-storey lockable stores at west old Tafo for Beas own commercial enterprise, Kumasi.2020

**Job Title:** Team member

**Project:** Supervision of the construction of silo foundations for Odubek farms, Banko.2020

**Job Title:** Team member

**Project:** Design of earth retaining walls, Awomaso.2020-2021

**Job Title:** Team member

### **Skills Acquired**

- Abreast with the dynamics in reinforced cement concrete designs.
- Competent in the usage of structural software( e.g. **Etabs**, **Sap2000**) for reinforced concrete designs
- Developed extensive knowledge in reinforced concrete drawings and construction site related matters
- Abreast with the rudiments involved in structural integrity assessment and its associated tools and equipment

**June 2018-August 2018:** Internship with Works and Physical Development Department; UENR

**Activities:** Supervision of construction of auditorium and hostel facility; drafting of drawings for implementation in the university

### **Skills Acquired**

- Improved AutoCAD skills
- Better exposure to fieldwork activities and interrelation skills

**June 2017-August 2017:** Internship with Geodecon Company; Sunyani

**Activities:** Assisting surveyor in setting out works at site using theodolite and Total station; planting and picking of coordinates of planted pillars for site's plan preparation using surveyor's tools (e.g. GPS Rover and Base)

### **Skills Acquired**

- Pragmatic appreciation of survey works on site

**June 2016-August 2016:** Internship with PEPS-C Consortium, Wa

**Activities:** Supervision of 2-storey Hall facility at UDS campus in Wa; Keeping records of workforce at site; casting of spacer blocks for cover creating in structural elements.

### **Skills Acquired**

- Developed teamwork spirit
- Obtained firsthand experience in field work

### **RESEARCH WORKS/ TECHNICAL REPORTS**

- Structural Integrity Assessment of a Two-Storey Dormitory Block for Queen's Girls Senior High School In Bibiani-Anhwiaso-Bekwai Municipal Technical Report
- Post Occupancy: Quality Assurance Assessment of GETFund School Projects in Savannah Region of Ghana
- The Influence of Maximum Magnitude using a Monte Carlos Based Simulation: Case study of Ho and Cape Coast
- Structural Integrity Assessment of a 2-storey Lockable Stores at Old Tafo Technical Report
- Technical Report on Inspection Manual for Timber bridges

### **ACCOLADES/AWARDS**

- Tertiary Education Scholarship Trust(TEST) for Ghana scholar
- Shortlisted candidate for MasterCard foundation and Wood Group scholarship
- Best Science student and Second best student of the School at Queen of Peace SHS (2014 Batch)
- Secretary of Science and Mathematics club at Queen of Peace SHS
- Agriculture Prefect and Overall Best BECE candidate of the school and its environs at Yikpee JHS, Lawra(2011 Batch)
- Compound Prefect and Best Completing student at Yikpee Primary school, Lawra

### **ASSOCIATION/MEMBERSHIP**

- Civil Engineering Students' Association (CESA).
- Ghana Engineering Students' Association (GESA).
- Deeper Life Campus Ministry (DLCF).
- Lawra Students' Association (LAWSU).
- Queen of Peace Senior High School (QUEENSOSA), Nadowli.

#### REFERENCES

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