

EBENEZER E. TACKEY-OTOO

A highly motivated professional with demonstrated experience in innovative construction and higher education teaching and research. Results driven and skilled in collaborative working, construction management and decision-making in a fast-paced construction management education industry.

Areas of Expertise:

- Sustainable Concrete
- Building Information Modeling (BIM)
- Materials Lab Testing (Concrete)
- Concrete Technology
- Construction Consulting
- Construction Education
- Construction Innovation
- Project Management
- Construction Project Engineering

EDUCATION

Doctor of Philosophy; Design, Construction, and Planning

December 2019

Concentration: Construction Management
M. E. Rinker, Sr. School of Construction Management
University of Florida, Gainesville, FL

Master of Science in Civil Engineering

August 2014

Concentration: Construction Engineering and Management
Amour College of Engineering
Illinois Institute of Technology, Chicago, IL

Bachelor of Science in Building Technology

June 2009

College of Arts and Built Environment
Kwame Nkrumah University of Science and Technology
Kumasi, Ghana

PROFESSIONAL EXPERIENCE

Desk Assistant

August 2017 – August 2019

Maguire Village
Housing and Residence Education, University of Florida
Gainesville, FL

- Provided administrative assistance for the Maguire village office, including meter readings, assisted in checking-in and checking-out apartments, coordination of building services and maintenance requests, reporting of electrical meter readings and reported damages.
- Assisted residents with issues and relaying issues to the Maguire village Area Coordinator.
- Assisted residents in emergency situations and lockouts during hours of operation
- Acted as a resource person to the village residents regarding services on campus and in the Gainesville area
- Assisted the supervisor in recruiting and training new staff.

Project Engineer**June 2018 – December 2018**

Nujak Development Companies

Lakeland, FL

- Performed document control activities, such as, reviewing submittals, change orders and Request for Information (RFIs) with RedTeam Construction Management Software.
- Assisted the project team with daily coordination of projects
- Performed quality control and quality assurance checks
- Assisted the Pre-Construction Manager in bidding of projects.

Community Assistant**May 2017 – August 2017**

Maguire Village

Housing and Residence Education, University of Florida

Gainesville, FL

- Assisted Area Coordinator with village programming and community effort, both within the village and village-wide.
- Developed programs based on the needs of the residents to promote community development.
- Assisted Village mayors with event planning and execution.
- Attended monthly residents' meetings organized by Mayors council.
- Participated in periodic evaluations of apartment conditions.
- Completed incident reports as needed and reported to Area Coordinator
- Performed Desk Assistant duties.

Assistant Project Engineer / Assistant Superintendent**May 2016 – August 2016**

Nujak Development Companies

Lakeland, FL

- Reviewing submittals to be sent to the architect for various projects, preparing of submittal logs, monitoring of projects, preparing daily reports and making sure work was performed per specifications for a 5-story dormitory and classroom for Southeastern University.
- Planned and coordinated construction activities and assisted in procurement of construction materials.
- Created and updated construction schedules with Smartsheet software.

Project Engineer**May 2015 – August 2015**

Nujak Development Companies

Lakeland, FL

- Reviewed submittals for various projects and prepared submittal logs on various commercial projects.
- Collaborated with architects and subcontractors regarding submission and reviewing of submittals.

Project Engineer**August 2014 – December 2014**

Anglin Construction

Gainesville, FL

- Preparation of contract documents, purchasing orders, schedule of values, schedules and reviewing submittals to be sent to architect for review. Performed cost estimating.
- Attended construction bidding meetings

Assistant Quantity Surveyor (Estimator)**October 2009 – June 2010**

Cape Coast Metropolitan Assembly

Cape Coast, Central Region, Ghana

- Collaborated with the Metropolitan Engineer and Senior quantity surveyor in monitoring of metropolitan assembly's projects.
- Prepared layouts of general building quantities measurement and contract documents.
- Attended the Tendering process (bidding process) for government projects.

Site Supervisor**June 2007 – July 2007**

P. F. Engineering

- Ensured that work on site was performed per the recommended specifications and workers adhered to safety rules and regulations.
- Prepared change orders and evaluated job done by Sub-Constructors.
- Prepared submittals and reviewed RFIs.
- Coordinated subcontractor materials deliveries.
- Attended daily site meetings

ACADEMIC EXPERIENCE**Assistant Professor****August 2020 – Present****Visiting Lecturer****August 2019 – November 2019**

Central University of Technology

Department of Building Environment

Bloemfontein, South Africa

- As a recipient of the Advancement Project towards Transformation (ADAPTT) Program Scholarship, I lectured in an international classroom setting in collaborating and improving teaching skills and introducing new topics with the Faculty of Engineering and the Built Environment.
- Lecturer for two undergraduate classes with a total of 184 students:
 - *Construction Management I (COM10BE)*: This course exposes students to the principles and objectives of management, analysis of management thought, project goals and objectives, principles in management and leadership in construction management.
 - *Construction Management II (COM20BE)*: This course introduces the student theory of estimating and tendering, and construction scheduling.
- Introduced new topics such as sustainable construction, sustainable rating systems and introduction to Building Information Modeling (BIM).

Course Instructor**August 2018 – December 2018**

M. E. Rinker, Sr. School of Construction Management

University of Florida

Gainesville, FL

- Course instructor for *BCN 3223 Soils and Concrete* class. Topics covered consist concrete aggregates, concrete admixtures and mix designs.

Laboratory Instructor

January 2015 – December 2019

M. E. Rinker, Sr. School of Construction Management
University of Florida
Gainesville, FL

- Performed duties as a teaching assistant for both undergraduate and graduate classes, including grading tests and assignments and instructing the lab sections of the classes.
- Lab Instructor for both undergraduate and graduate classes with a total of 30+ students
 - *BCN 3223 Soils and Concrete*: This course covers the study of the construction process which includes soils, foundations and concrete mix designs. Included are laboratory tests conducted on soils and concrete, such as Atterberg test, Proctor test, Sand Cone test, Compressive Strength test, Unit Weight test, Slump test, and Air Content test

Graduate Teaching and Research Assistant

January 2015 – December 2019

M. E. Rinker, Sr. School of Construction Management
University of Florida
Gainesville, FL

- Conducted research on utilizing Type II cement (Portland limestone cement) in manufacturing Florida Department of Transportation Class II bridge decks.
- Participated in open day for the soils and concrete lab, by explaining the soils and concrete course outline to prospective students.

RESEARCH EXPERIENCE

Thesis and Dissertation

Tackey-Otoo, E. (2019). *Evaluating quaternary concrete mix designs for FDOT Class II bridge deck concrete using Type II cement*. Doctoral dissertation University of Florida.

Tackey-Otoo, E. (2014). *Claims in Construction: Analyses of claims between traditional and sustainable building construction*. Master's thesis Illinois Institute of Technology.

Tackey-Otoo, E., Biney, F., & Anaman, J. Y. (2009). *Maintenance Culture in Ghana: Case study of Government buildings in Kumasi*. Bachelor's thesis Kwame Nkrumah University of Science and Technology.

SKILLS

- Autodesk Revit
- Navisworks
- AutoCAD
- Trimble SketchUp
- BIM 360
- ArcGIS
- ArcMap
- Smartsheet
- RedTeam Project Management
- On-Screen Takeoff
- RS Means
- PlanGrid
- Primavera Scheduling
- Materials Testing (Concrete)
- Quality Assurance and Control
- Microsoft Project

CERTIFICATIONS

- OSHA 30

PROFESSIONAL AFFILIATIONS

Member

Building Technology Students Association of Kwame Nkrumah University of Science and Technology

September 2005 - May 2009

Member

Construction Management Association of America (Illinois Institute of Technology Student Chapter)

August 2012 - May 2014

Member

Sigma Lambda Chi (UF Chapter)

November 2016 - Present

Member

American Concrete Institute

August 2015 - Present

HONORS AND AWARDS

Recipient, ADAPTT Program Scholarship

Central University of Technology, Bloemfontein, South Africa (Organized by University of Johannesburg)

August 2019

Sigma Lambda Chi, Epsilon

National Honorary Society of Construction Management, University of Florida

November 2016

Best Graduating Elective and Core Mathematics Student

Mfantsipim Senior High School

November 2004

Safety Award

Housing and Residence Education

July 2017

Certificate of Excellence

Housing and Residence Education

July 2018

LEADERSHIP

Community Assistant, Maguire Village

University of Florida

May 2017 - August 2017

International Honorary Leader

University Apartment Community
University of Florida

2017 - 2018

SERVICE AND COMMUNITY INVOLVEMENT

Volunteer

Oak Hall International Festival, Gainesville, Florida

November 2017

Member

Christians in Construction
University of Florida

August 2014 – December 2019

Organizer

Gainesville Ghanaian Community

January 2016 – December 2019