

Exponent®
Engineering & Scientific Consulting

Pinkrah Boafo

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Professional Profile

Pinkrah Boafo's engineering and consulting experience spans across the construction, health and manufacturing industries in and outside of the United States. He has experience working on construction projects as a project manager and a quality control engineer.

Prior to joining Exponent, Pinkrah worked as a quality control and assurance engineer. His responsibilities included leading and coordinating quality inspections, ensuring construction compliance for the 1.5 Km quay wall construction, scheduling and supervising concrete production and concrete precast works, and coordinating and supervising sub-contractors. He also worked as a project manager in the real estate development industry in Ghana where he led several projects and served as the property manager of the firm.

Pinkrah Boafo earned a master's degree from Johns Hopkins University where he majored in Engineering Management. He also holds a master's degree from Hohai University in Nanjing where he specialized in Engineering Mechanics with research focus in structural strengthening using fiber reinforced plastics. He also holds a bachelor's degree in Materials Engineering with research focus on civil engineering construction materials.

Academic Credentials & Professional Honors

M.S., Engineering Management, Johns Hopkins University, 2022

M.S., Engineering Mechanics, Hong Kong University of Science and Tech, 2017

B.S., Materials Engineering, Kwame Nkrumah Univ of Sci and Tech, Ghana, 2013

Prior Experience

Business Development Associate Intern, Johns Hopkins Technology Venture, 2022

Assistant Project Manager, Emmafrique Company Ltd., Ghana, 2020 - 2021

Quality Assurance and Quality Control Engineer, China Harbor Engineering Company, 2017 - 2020

Publications

Boafo FP, Xuming Z. Study on Interface Fracture and Cohesive Constitutive Relation of FRP Reinforced Concrete Structure. International Journal of Engineering Works 2017; Vol. 4, Issue 5, 83-88.

Presentations

Boafo PF, Investigation Into The Possible Use Of Steel Slag As A Partial Replacement Of Cement. Poster presentation, 32nd Annual International Conference on Soils, Sediments, Water, and Energy, Amherst, MA, USA. October 2016

Project Experience

Planned and executed residential construction projects. Responsible for scheduling and coordination of subcontractors. Produced weekly and monthly reports for the project manager. Organized and led quarterly construction update meetings with clients.

On site quality control engineer on a port construction project in Tema, Ghana. Reviewed and ensured construction compliance. Supervision and planning of subcontractor work. Scheduled and supervised concrete production.