



Vincent Coates

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PROFESSIONAL SUMMARY



A creative, enthusiastic and result-driven professional, who is eager to contribute to team success by hard work, paying attention to details and providing excellent organizational skills. Also display a clear understanding of construction materials, sustainable designs and structural analysis, and is motivated to learn, grow and excel in the construction industry.

SKILLS



2D and 3D modeling

AutoDesk AutoCAD

AutoCAD Civil 3D

Construction Management

Cost Estimates

Drafting

Microsoft Office Suite

Land Surveying

Project Management

Revit

Structural Analysis

Sustainable Building Design

PROFESSIONAL EXPERIENCE

Jun 2019 – Aug 2019	<p>Water Resources Authority, Internship Student</p> <ul style="list-style-type: none"> Analyzing the flow of a trapezoidal weir. Analyzing the stream flow and groundwater for 3 counties in Jamaica and aided in the creation of monthly graphical (bulletin) data for 2018 to August, 2019 period. Learned and assisted in the maintenance of Roaring River (Petersfield) station 	Kingston, Jamaica
Jun 2018 – Aug 2018	<p>Ministry Of Economic Growth And Job Creation, Technical Service Unit, Summer Intern</p> <ul style="list-style-type: none"> Assisted as project manager for a construction project. Assisted in 3D modeling and designing using Revit. Aided in rehabilitation road work project. Developed a sustainable design proposal for Brownfield development. 	Kingston, Jamaica
Jun 2017 – Jul 2017	<p>National Irrigation Commission Limited, Operation Center, Summer Intern</p> <ul style="list-style-type: none"> Aided department in the development of cost estimates on water canal projects. Prepared engineering drawings. Learned to differentiate the characteristics and roles of geo-textile and geo-membrane. 	

May 2016 – Jul 2016

Rural Water Supply Limited, Summer Intern

Kingston, Jamaica

- Learned about the advantages and disadvantages of using ferro-crete projects.
- Aided other departments in the development of cost estimates on ferro-crete water tank projects.
- Prepared standard engineering computations and designs.
- Computed load and grade requirements and material stress factors to determine design specifications.
- Determined strength, properties and uses of construction materials using stress analysis and analytical mechanics.

EDUCATION

pending



University of Technology,
Bachelor of Engineering in Civil Engineering

Kingston, Jamaica

2017

University of Technology, Diploma in Structural Engineering
• Technical coursework entails:

Kingston, Jamaica

Computer Aided Design and Drafting
Construction Material Testing Laboratory
Construction Technologies
Construction Project Monitoring
Estimation & Measurements of Construction Works
Material Science
Site Surveying
Soil Mechanics
Structural Analysis and Design



INTERESTS

- Design of Concrete Structures
- Resource Recovery
- Sustainable Building Design
- Managed Aquifer Recharge
- Renewable Energies

AFFILIATIONS

2012 – 2016

Association of Construction and Engineering Students' UTech Club, Member

2016 – 2017

Association of Construction and Engineering Students' UTech Club, President

2019 – present

America Society of Civil Engineers, Student Member

2019 – present

Institution of Structural Engineers, Student Member

2019 – 2020

Jamaica Institution of Engineers' Utech Students Chapter, Member

2019 – 2020

Institution of Structural Engineers' UTech Students Chapter, Member

2020 – 2021

Institution of Structural Engineers' UTech Students Chapter, Secretary