



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

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**

Kingston, Jamaica

- Technical coursework entails:

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**