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**Adeleke Daniel Damilare**

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## EDUCATION

**Villanova University** – PA, United States of America

2021 - Date

- Doctoral Researcher in Civil Engineering (Geoenvironmental)

**University of Cape Town** – Cape Town, South Africa

2018 - 2020

- Masters of Science in Civil Engineering (Geotechnical), Grade: Distinction
- Recipient of The MasterCard Foundation Scholar Program Scholarship at University of Cape Town

**University of Benin** – Benin City, Nigeria

2010 - 2015

- Bachelor of Science in Civil Engineering, GPA: 4.793/5.000
- Best Student in Academic Performance of the Department of Civil Engineering awarded annually (2010-2015).

## WORK EXPERIENCE

**Geotechnical Engineering Research Group** – Cape Town, South Africa

Feb 2018 – Dec 2020

*Laboratory Assistant & Tutor*

- Can skillfully carry out index and engineering tests and interpret its data to project specification
- Conducted several geosynthetics interface tests for landfill projects within this period

**Aurecon** – Pretoria, South Africa

Jan 2020 – Feb 2020

*Graduate Intern*

- Can skillfully carry out deep foundation design and make a presentation to senior consultants
- Designed and implemented a slope stability analysis for a project site and produced borehole log reports

**Efficacy Construction Company** – Lagos, Nigeria

May 2016 – Dec 2017

*Graduate Engineer*

- Production of structural and foundational designs of awarded projects
- Followed-up detailed drawing with the actual construction on-site

## RESEARCH & PUBLICATIONS

**Geotechnical Engineering Research Group (GERG)** – University of Cape Town, South Africa

Feb 2018 – Dec 2020

*Graduate Researcher*

- Independently conducted several geosynthetics interface tests for landfill projects within this period

### Publication:

Adeleke D., Kalumba, D., and Hardie, P., 2019, "Effects of asperities on the geotextile-geomembrane interface shear characteristics", Proceedings of the 13th Australia New Zealand Conference on Geomechanics 2019, Perth, Western Australia, 1–3 April 2019. ISBN: 978-0-9946261-0-3, pp. 699-704.

Adeleke D., Kalumba, D., and Osuji, S., 2019, "Improvement of the geotechnical properties of lateritic soil using gypsum", Proceedings of the 17th African Regional Conference: Soil Mechanics and Geotechnical Engineering (XVII ARCSMGE), Cape Town, South Africa, 6–10 October 2019. pp. 741-744.

Adeleke D., Kalumba, D., and Oriokot, J., 2019, "Asperities effect on polypropylene & polyester geotextile-geomembrane interface shear behaviour", Proceedings of the 7th International Symposium on Deformation Characteristics of Geomaterials, Glasgow, United Kingdom, 26–28 June 2019. DOI: 10.1051/e3sconf/20199213017.

### Presentations:

Paper presentation on "Asperities effect on polypropylene & polyester geotextile-geomembrane interface shear behaviour" at the 7th International Symposium on Deformation Characteristics of Geomaterials, Glasgow, United Kingdom, 26–28 June 2019.

Poster presentation on "Efficient and safe landfills: The effect of asperities on landfill interface shear" at the 6th EBE Research Expo, University of Cape Town, 9 May 2019.

## SKILLS, LEADERSHIP EXPERIENCE, & AWARDS

- Fluent in English
- Proficient in Microsoft Office, AutoCAD, Orion, Revit, GeoStudio, Rocscience, HEC-HMS, HEC-SSP, ArcGISPro, and STAAD.Foundation
- President of Redeemed Christian Fellowship at University of Cape Town
- President of Drug-Free Club (DFC), National Drug Law Enforcement Agency (NDLEA)
- Geosynthetics Institute Fellowship, Geosynthetics Institute, Folsom, USA.
- African Change Maker Fellowship