

# AYOMIDE ELIJAH OLORUNFEMI

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## BIO

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Civil Engineering Graduate; highly motivated researcher in the areas of structure engineering, engineering materials, Geotechnical Engineering and Construction Management. Communicative and collaborative. I am passionate about innovative technologies that can improve the efficiency, safety, and sustainability of infrastructure systems. I aspire to be known for Research and Development (R & D) in the field of Sustainable Infrastructures by collaborating with other senior professionals, such as architects, urban planners, and environmental scientists, to develop holistic solutions to infrastructural challenges.

## EDUCATION

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**Federal University of Technology, Akure, Nigeria**

November 2015 – October 2021

Bachelor of Engineering in Civil Engineering || Grade: **4.33/5.00**.

Thesis: Comparative Analysis of Effect of different Mix Ratios on the Mechanical Properties of Pozzolanic Cement Concrete using Bamboo Leaf Ash (BLA).

This research work was aimed at comparing the effect of different mix ratios on the mechanical properties such as compressive strength, workability, setting time etc. of pozzolanic cement concrete, partially replacing the cement in the mixture with Bamboo Leaf Ash.

## SKILLS

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- Proficiency in modelling, analysis, design, detailing and construction of reinforced concrete structures. Design software operated include AutoCAD, ProtaStructure, Revit and Tekla Structures.
- Proficiency in carrying out various laboratory tests on soil, concrete and steel reinforcement bars.
- Proficiency in laboratory and field technical report writing. Including update reports and final summaries.
- Python Programming, Adobe Creative Suite and Microsoft Office Suite.
- Knowledge of optimization formulation and solving complex optimization problems.
- Communication and presentation skills.
- Conceptualization and ability to reason from different perspectives.

## PROFESSIONAL EXPERIENCE

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**Mayomi Ajani Engineering Services, Akure, Ondo, Nigeria.**

October 2021 - Current

### Engineering Detailer

- Supervision of design activities from the start of the project to completion and delivery.
- Ensuring design components are fit for use according to specification and safety standards.
- Performing evaluation operations and preparing materials estimation needed for construction.
- Suggest processes and technical design changes to improve performance and efficiency.
- Preparation and compilation of weekly progress reports.

**Ministry of Works and Infrastructures Akure/ Reyog International Nig. Ltd**

2019

**Civil/Highway Engineering Intern**

- Modelled, analysed and designed of a single carriage way.
- Participated in the conversion of a single carriage way to a dual carriage way from setting out stage to laying of wearing course.
- Participated in the preparation of reinforcement details of structural members (foundation: pad, raft and pile; beams: simply supported, continuous and cantilever; slab: solid, ribbed, waffle and cantilever) for various buildings.
- Carried out test on materials such as different concrete mixes and laterite for the sub-base
- Assisted in the Structural Detailing of Building Project

## **TEACHING EXPERIENCE**

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### **Voluntary Tutor, JCCF FUTA Skill Up, Akure, Nigeria. 2021**

- Volunteered for an organized free-taught AutoCAD Training.

### **Academic Tutor, GOFAMINT Students' Fellowship, FUTA 2019-2021**

- Taught First year students Engineering Drawing I
- Taught Second year Engineering students Engineering Drawing II

### **Tutor, GOFAMINT Students' Fellowship, FUTA 2020**

- Taught Media Unit members the basics of Graphics design and how to use some of the design software

### **Tutor, University Demonstration Secondary School, Ekiti, Nigeria 2015**

- Organized Mathematics tutorial classes for classmates to further enhance their understanding of the subject.

## **PROFESSIONAL MEMBERSHIPS/AFFILIATIONS**

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| ▪ Member of the International Association of Engineers                   | 2022 - Current |
| ▪ Graduate Member of the Nigerian Society of Engineer                    | 2022 - Current |
| ▪ Nigerian Institution of Civil Engineering Student Association (NICESA) | 2015 – 2021    |

## **HONOURS AND AWARDS**

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- 3rd Position Award "Eco-friendly Toilet Design to Eradicate Open Defecation" Competition at 19<sup>th</sup> International Civil Engineering Conference, Asaba, Delta State (15th October, 2021)
- Honoured Graduate, Federal University of Technology, Akure, Nigeria (2019)
- Best Industrial Training Intern and Best Oral Presentation (2018)
- Dean's Honour List (2015/2016 Session and 2018/2019 Session)

## **LEADERSHIP AND VOLUNTARY EXPERIENCE**

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### **Publicity Secretary, GOFAMINT Students' Fellowship FUTA, Akure, Ondo, 2019 – 2021**

- Conducted and organized meetings and documented files for the unit in an easily accessible method.
- Helped in the planning of different fellowship programmes end events.
- Took charge of setting up the projection and live streaming systems of the fellowship.
- Oversaw the proper maintenance of gadgets like projector, tripod, monitor and cables.
- Organized trainings for unit members twice to enhance their Graphic design and projection skills.

## CONFERENCES

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- The Nigerian Institution of Civil Engineers' 19th International Civil Engineering Conference, Asaba, Delta State 14th - 16th October, 2021
- Symposium titled 'Engineers-in-Society' for 2nd-year students, School of Engineering and Engineering Technology, Federal University of Technology, Akure. 2016

## EXTRACURRICULAR

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Reading, Listening to Music, Gaming and Connecting with people of great minds

## REFERENCES

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- Prof. C. Arum – Dept. of Civil Engineering, Federal University of Technology, Akure  
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[carum@futa.edu.ng](mailto:carum@futa.edu.ng)
- Engr. Akinpelumi B. - Deputy Chief Resident Engineer,  
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