

**Adeniyi Bella**

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**Experience****Sept 2022– Present****Full Stack Web Development Program at Career Foundry**

- Code quality, Testing and Web hosting
- Server-side programming and node-js
- Client side programming and React.
- Testing in the Development process.
- Collaboration and Documentation
- Native app Development and react native.

**Jan 2022– Present****Intern at Wolff&Mueller as BIM Developer**

- Digitization of BIM processes by automating manual processes.
- Created multiple user friendly front end solutions in Desite based on different use cases.
- Played a major role in switching the code base from synchronous JS to async.
- Supporting the creation and maintenance of databases.
- Consistent debugging to fix issues raised by end users.
- Daily use of git version workflow.

**July 2021– Nov 2021****Workstudent at Conxai as AI Quality assurance**

- Pre-processing and cleaning construction custom/random data sets before feeding to the ML pipeline.
- Identifying possible BIM use cases that could optimize productivity and ensure safety on the construction site.
- Breaking down complex construction activities into smaller events which are then utilized by the AI Engineers.
- Providing qualitative analytics from construction live feeds.

Oct 2020– Oct 2021

**Technical University of Munich/Research Asst**

Chair of Computational Modelling and Simulation

- Working as a research assistant for the research project between the Chair of Computational Modelling and Simulation at TU Munich and Audi AG Ingolstadt.
  - Surface reconstruction of 3D point clouds with open 3D library using Ballpoint algorithm and Poisson reconstruction.
  - Creating 3D BIM models in Blender and labeling them into different classes of building components.
  - Improving the SCANTOBIM processes by optimizing the number of scanning points through automatio.
  - Using PyTorch and its dependencies to model machine learning frameworks for semantic segmentation and classification of the 3D point clouds.
- Accessing properties of native IFC files using IFC openshell library.

May 2021– June 2021

**Repon/Work student**

- Manual labelling of text data for NLU and NLP purpose.
- Automating the labelling task using different ML frameworks.
- Assigning labeled datasets into different classes as specified by the model.
- Training datasets using different machine learning algorithm frameworks.
- Template matching of logos using open cv

2017 – 2019

**Asst Construction Manager/Data Analyst**

Adron homes and property, Lagos Nigeria

- Participated in the delivery of over 10 real estate projects
- Attended meetings and discussed project details with clients, contractors, asset owners and stakeholders.
- Used data to come up with investment decisions such as predictive models, time series.
- Negotiations for the leasing of buildings.

2014 - 2017

**Asst Construction manager**

Brunelli Construction company, Lagos Nigeria

- Organization and reporting of projects.
- Optimized quality control and assurance procedures by introducing 3-point checks.
- Cost benefit analysis and alternative solutions to project designs (saved millions of naira).

2012 - 2014

**Graduate Trainee**

ARAB contractors, Lagos Nigeria

- Utilized Autodesk Revit to create 3-D structural model and perform quality checks on 3-D model.
- Participated in the architectural/structural design of construction projects.
- Site inspection and preparation.

**Education**

2020 – Present

**MSc, Civil Engineering**

Technical University Munich, Germany

- Thesis Topic: LPG or RDF as a graph data model for linking construction data.
- Major: BIM

2007 - 2012

**BSc, Civil Engineering**

University of Agriculture Abeokuta | Ogun, Nigeria

- Major: Structural Analysis/ Design

**Skills**

Software

- Microsoft Office
- Basic understanding of Django framework with python for backend applications
- Daily use of HTML, CSS and JS.
- Basic understanding of react redux framework for frontend application
- Knowledge of BIM processes and BIM tools e.g Desite, itwo, Bim-Collab
- Daily use of version system such as Github
- Good understanding of linux command line/shell scripting

Language

- Englisch
- Deutsch/A2

**Motivation**

A creative and innovative individual with outstanding soft skills, logical comprehension and always eager to learn new skills in a challenging and competitive work environment, where my wealth of experience, education and competence can be used to serve the organization better while enriching my career.