

# Dieudonne Kolony

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## CIVIL ENGINEERING TECHNOLOGIST

A recent civil engineering graduate with a Bachelor of technology in Civil Engineering, skilled in structural and civil works drafting. Proficient in engineering software, including AutoCAD (computer aid design), Civil 3D (three-dimensional modeling), and Revit, with a proven ability to improve project workflows, ensure quality, and meet deadlines. Known for a strong work ethic, adaptability, and teamwork, I aim to contribute to innovative and sustainable engineering solutions in a dynamic and growth-focused organization.

## EDUCATION

### Bachelor of Technology in Civil Engineering, 2023

Cape Peninsula University of Technology (CPUT), Cape Town, South Africa

Coursework: Construction Materials & Technology, Computer Applications, Engineering Chemistry, Engineering Mathematics, Environmental Engineering, Public Law, Geotechnical Engineering, Hydraulic Engineering & Design, Research Methodology & Project, Structural Design, Transportation Engineering & Planning, Water & Wastewater Treatment Technology

### National Diploma in Civil Engineering, 2020

Cape Peninsula University of Technology (CPUT), Cape Town, South Africa

Coursework: Management Civil, Structural Steel & Timber Design, Structural Analysis, Transportation Engineering, Water Engineering, Reinforced Concrete & Masonry Design, Documentation, Geotechnical Engineering, Water Engineering (Hydrology & Reticulation Design)

## EXPERIENCE

### Civil Designer – Cape Town, South Africa - Freelance

#### Quality Assurance Engineer

Nov 2023 – Dec 2023

- Diagnosed and resolved 20+ critical software bugs, enhancing system stability by 25% and improving functionality for civil engineering applications.
- Executed 100+ regression tests for Civil Designer software, directly contributing to a 100% on-time release and improved software reliability.
- Developed and integrated automated workflows, boosting testing efficiency by 30%, minimizing manual errors, and delivering consistent project quality across multiple deliverables.

### DeVS-SiVEST – Cape Town, South Africa - Permanent

#### Civil Engineering Technician

Jan 2019 – Dec 2019

- Conducted over 30 on-site inspections, ensuring 100% compliance with design specifications and maintaining high-quality standards across all projects.
- Developed and streamlined civil infrastructure projects, including site layouts and structural designs, using AutoCAD and Revit, delivering 10+ projects on time and under budget.
- Produced precise 3D models and technical drawings in Revit, increasing project accuracy by 20% and reducing design errors, leading to smoother project execution.

## PROJECTS

### Water Treatment Plant, CPUT

Jan 2023 – Dec 2023

- Designed and optimized a water reticulation system and road network for a township using Civil Designer and AutoCAD.
- Led the evaluation of a water treatment process, ensuring compliance with environmental standards and improving system efficiency.

## SKILLS

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- Design Software's: AutoCAD | Revit | Civil 3D | Civil Designer | Photoshop | Visual Studio
- Communication & interpersonal skills | Results & success orientated | Opened minded | Attention detail
- Languages: English (fluent) | French (intermediate)