

Dieudonne Kolony

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CIVIL TECHNOLOGIST AutoCAD & REVIT | INFRASTRUCTURE & STRUCTURAL DESIGN

Civil engineering graduate with a BTech in Civil Engineering and expertise in drafting and detailing civil and structural layouts using AutoCAD, and Revit. Experienced in supporting infrastructure projects through technical drawings, site inspections, and quality assurance. Strong problem-solving ability, adaptability, and collaboration skills in dynamic engineering environments. Seeking to contribute technical expertise to innovative and high-impact projects.

EDUCATION

Bachelor of Technology (BTech) in Civil Engineering 2023
Cape Peninsula University of Technology (CPUT), Cape Town, South Africa
Relevant Coursework: Structural Design, Computer Applications, Construction Materials & Technology.

National Diploma (ND) in Civil Engineering 2017 – 2020
Cape Peninsula University of Technology (CPUT), Cape Town, South Africa
Relevant Coursework: Structural Analysis, Applied Mechanics, Theory of Structures, Structural Steel & Timber Design Reinforced Concrete & Masonry Design, Mathematics.
Achieved a 74% overall average, demonstrating strong technical and analytical skills.

EXPERIENCE

QA Engineer (Civil Engineering Software)
Civil Designer, Cape Town, South Africa Nov 2023 – Dec 2023

- Diagnosed and resolved 20+ critical software bugs to enhance stability of civil engineering design software.
- Conducted 100+ regression tests to improve software reliability and reduce post-release defects.
- Collaborated with developers and engineers to provide detailed bug reports for software functionality enhancement.

Junior Civil Technician
DeVS-SiVEST, Cape Town, South Africa Jan 2019 – Dec 2019

- Ensured compliance with design specifications through over 30 on-site inspections.
- Created detailed site and structural layouts using AutoCAD and Revit.
- Assisted senior geotechnical engineer with soil inspections, Dynamic Cone Penetration tests, and surveying using a dumpy level.

SKILLS

- **Software:** AutoCAD, Revit, Civil 3D, Civil Designer, Prokon
- **Engineering:** Drafting, Structural & Civil Drafting, Surveying, Analysis, Calculations
- **Technical Competencies:** Report Writing, Technical Documentation
- **Soft Skills:** Team Collaboration, Attention to Detail, Problem-Solving, Self-motivation, Time Management
- **Languages:** English (fluent), French (intermediate)

PROJECTS

Water Treatment Plant (Academic Project, CPUT) 2023

- Evaluated water quality, settlement patterns, demographics, and environmental factors to determine the most effective treatment processes for a sustainable water treatment plant.
- Developed treatment process designs and technical layout drawings using AutoCAD and Revit

ACHIEVEMENTS

- Graduated among the top 3 in class, earning 19 distinctions in National Diploma and 3 distinctions in BTech.
- Developed self-taught full-stack web development skills, applying coding and automation to engineering problem-solving.