Thomas Reid

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Civil Engineering graduate (MEng) working towards Chartered Engineer status

PROFILE

MEng Civil Engineering graduate (2:1, University of Sheffield) with a summer placement on a highways drainage scheme and a group design project for a pedestrian bridge. Confident with AutoCAD and structural calculations, safety-conscious and keen to develop towards CEng with the ICE.

EDUCATION

MEng Civil Engineering, University of Sheffield

2:1 | Sheffield | Sep 2020 – Jun 2024

- Accredited by the Joint Board of Moderators
- Modules: Structural Design, Geotechnics, Hydraulics, Construction Management
- Group design project: 24 m steel and timber footbridge, including load calculations and a construction sequence

A-levels, Tapton School

A*AA | Sheffield | Sep 2018 – Jun 2020

- Mathematics (A*), Physics (A), Design and Technology (A)

EXPERIENCE

Summer Placement Student, Civil Engineering, Pennine Civil Design Ltd

Sheffield | Jun 2023 – Sep 2023

- Produced AutoCAD drainage drawings for a 1.2 km road improvement scheme, checked and issued by the senior engineer.
- Ran surface water calculations in Excel for 14 catchments and documented assumptions for review.
- Attended 6 site visits, following the site induction, risk assessments and PPE rules.
- Updated the drawing register and tracked 30+ revisions during the detailed design stage.

Team Captain, Sheffield Engineers Without Borders

Sheffield | Sep 2022 – Jun 2023

- Led 6 students designing a low-cost rainwater harvesting system for a rural school, reaching the national finals.
- Set weekly deadlines and split tasks so the team submitted a 40-page design report on time.

SKILLS

AutoCAD, Revit (basic), Structural calculations, Hydraulic design, Microsoft Excel, Health and safety awareness, Technical report writing, Teamwork

PROFESSIONAL MEMBERSHIP

- Graduate member, Institution of Civil Engineers (ICE)

CERTIFICATIONS

- CSCS card (Green Labourer), 2023