

## Andrew Smith

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### PROFILE AND OBJECTIVE

- A reliable and conscientious Civil and Structural Engineering graduate from the University of Bradford who has won awards for academic achievement.
- Possesses effective management, analytical and problem-solving skills developed through successful placement year, academic projects and part-time roles.
- Looking for a rewarding and challenging career in the field of Civil and Structural Engineering.

### EDUCATION AND QUALIFICATIONS

#### University of Bradford

2016 – 2021

- **MEng (Hons) Civil & Structural Engineering** 1<sup>st</sup> Class Honours
- **Foundation in Civil Engineering** Achieved: Distinction (average 75.1%)  
*Received ICE Award for Best Civil Engineering Student in Years 1 and 2*

#### Stage 3 and 4 Dissertation

An experimental project investigating the influence of new variables (spill volume, spill area, and spill rate, soil heterogeneity and fluctuations of groundwater table) on patterns and mechanisms of LNAPL (light non-aqueous phase liquids) migration in saturated and unsaturated soils. The purpose of this study is to help validate numerical models simulating spills of LNAPL into the subsurface environment.

*Year 3 average: 72.1%*

*Year 2 average: 68.3%*

*Year 1 average: 72.4%*

#### Hanson Sixth Form, Bradford

2014 – 2016

A Levels: Physics (B), Mathematics (C), Computer Science (C) and General Studies (E)

#### Belle Vue Boys' School, Bradford

2010 – 2014

GCSEs: 9 subjects (4As, 4Bs and 1C) including English (B), Mathematics (B), Science (B), Art (A) and Technology (A)

### INDUSTRIAL PLACEMENT EXPERIENCE

#### Stoneleigh Limited, Leeds

Aug 2018 – Aug 2019

#### Trainee Civil Engineer

- Gained valuable site experience; learnt various levelling exercises, setting out and surveying exercises as well as acting as Supervising Engineer for works leased out to subcontractors, including the Rotherham Footbridge.
- Independently set out various important works: overflow car park, new roads, access and exit roads, positions of piles and bases for a footbridge, a retaining wall to name a few.
- Responsible for supervising co-workers and jobs on site by organising and coordinating work and ensuring allocated tasks to employees were completed effectively and efficiently.
- Effectively monitored surcharge and zone load tests through regular levelling exercises.
- Organised and arranged for closure of roads to ensure the safe transportation to site and installation of the footbridge deck. This involved having relevant signs made and set-up on necessary roads as well as implementing a safe diversion route.
- Researched the most suitable piling company for footbridge and a car park barrier system for the overflow car park. Negotiated with various companies to find the most effective deals. Arranged site visits for companies and supervised the work through, from start to end.

## OTHER EMPLOYMENT EXPERIENCE

### Tesco, Bradford Supervisor, Produce Dept

April 2020 – present

- Working in a fast-moving environment, including during lockdown where additional challenges in terms of supplies and safety measures were met. Created rotas, provided training for new staff and ensured department was clean and well stocked as well as meeting and exceeding customer needs.

### Co-op, Bradford Team Leader

Sept 2019 – Jan 2020

- Supervision of staff within the local convenience store; other responsibilities included opening and closing store, cashing up, ordering stock and ensuring store procedures were carried out.

### Sainsbury's, Bradford Sales Assistant

March – Aug 2018

- Provided a high level of customer service, working through delivery and back stock, facing up, keeping warehouse tidy and organised in line with health and safety requirements.

### Principles Men's Clothing Company, Bradford Sales Consultant

July 2016 – Jan 2017

- Provided a high level of customer service and worked individually or at times as part of a team in a designated department to meet sales targets.
- Other duties involved collecting and checking deliveries, working through stock, attaching security tags to clothing, folding and hanging clothes, size cubing, writing sales tickets, stock taking, facing up.

## KEY TRANSFERABLE SKILLS

- **Teamwork** – clearly understand the importance of teamwork having had many opportunities to develop and implement effective team-working skills i.e. communication, motivation and supporting team members at work, at university or through other activities in achieving goals and objectives.
- **Communication** – achieved high levels of written communication through university work, reflected in academic awards in first and second year. Developed and enhanced verbal communication skills during employment and on placement year.
- **Working under pressure** – experience of working effectively under pressure to achieve goals on Rotherham Footbridge project during placement year and through academic studies.
- **Commercial Awareness** – comprehends significance of range of customer needs through customer service roles and on placement year. Increased knowledge of business practices when given roles of responsibility at Co-op and Tesco. Personal contribution to company's goals and objectives through delivery of excellent service proven to be very effective.
- **Technical and IT/Computing** – Highly competent in Computer Aided Design (CAD), I-DEAS, Matlab and S-Frame. Proficient in Microsoft Office (Outlook, Access, Excel, PowerPoint and Word).

## ACTIVITIES AND INTERESTS

- Student representative – liaising with staff and students to resolve any problems within the department.
- Football (play five-a-side weekly in local league), snooker and cricket.
- Enjoy travelling and meeting new people, (visited parts of Africa, Asia and Europe), charity work, keeping up to date with latest events through the media.
- Appreciate all kinds of music, particularly soul and Motown, and have a large vinyl collection.

## REFEREES

Dr A. B. Patel, Personal Tutor/Senior Lecturer, University of Bradford  
Mr James White, Line Manager, Lavers, Bradford

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