

David Tinto, GradIMMM FGS

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Education

- 2008 – 2010 University of Leeds
MSc Engineering Geology (Accredited by the Institution of Civil Engineers)
Modules include: Rock Mechanics, Geophysics, Hydrogeology, Soil Mechanics
- 2004 – 2007 University of Leeds
BSc (Hons) Geological Sciences 2.2
- 1998 – 2003 Marlborough High School
3 A Levels: Maths (B), Geography (B), Physics (C)
10 GCSEs: (A – B) including Maths (B), English (B), Science (B)

Related Work Experience

October 2008 – April 2009 **Engineering Geologist, University of Leeds**

- Worked with engineering geologists in appraising sites for proposed engineering developments
- **Key Projects:**
 - Analysed induced displacement at Bond Street Underground Station, London by new tunneling as part of the underground expansion. Performed numerical modeling which enhanced understanding of different interactions between soft and hard ground. Proposed New Australian Tunneling Method which made the project viable.
 - Conducted a site investigation for a highway road in the Malverns in accordance with BS5930. Undertook geomorphological mapping, ground modeling and terrain systems analysis and enhanced local knowledge of geological setting and relationships.
 - Conducted a remediation design project for treatment of an acid mine drainage post-mining site. Managed a desk study and site investigation and developed a contamination source-receptor model. Successfully highlighted all contamination hotspots, their containment and treatment.

Skills Profile

Site & Ground Investigation

- As part of my degree, I designed and conducted a site investigation in Broadway, UK which attained the highest score of 78% for the construction of underground storage facilities.
- For my dissertation I conducted a mapping project on the Isle of Portland and developed ground models interpreting geological processes and gained problem-solving skills dealing with unfamiliar geology, and understanding of non-technical factors such as cost and safety.
- As an engineering geologist for Leeds University, I conducted a seismic data analysis project for a site in the North Sea. The study involved analyzing hydrocarbon entrapment and extraction and satisfactorily identified hydrocarbons and quantified reserves.

Geotechnical Analysis & Design

- I effectively undertook rock shear testing and characterization, and stability modelling of Chalk slopes using Phase 2 and Slide forecasting slope behaviour with time to mitigate landslide issues on the Brighton Coast. My proposed mitigation measures were implemented by Brighton Council.
- I successfully engineered a working model for a dam embankment with a highway along it using laboratory attained design parameters from soil and rock aggregates as per BS1377. The model was used to mitigate seepage problems on an embankment in Leeds.
- I designed a provisional foundation model which has the capability to harness geothermal energy from the ground for household heating purposes. This had led to further ground breaking research at the University of Leeds.

Leadership

- Being Captain of my football team at Barclays has honed my leadership and team engagement skills which has seen my team go through the season without losing a game and winning our first ever trophy against other departments.
- Working as money skills campaigner has enabled me to go into Yorkshire schools teaching teenagers how to have financially responsible futures. This has fortified my leadership capabilities due to increased interest from other schools for me to educate their pupils.

Self-Motivation & Enthusiasm

- I have shown a high level of self-motivation to become a geologist which saw me secure a full scholarship for my first degree and partial scholarship for master's degree. I was also a finalist for a PhD scholarship in Blast Mining Design optimization.
- As credit risk advisor for O2, I identified an increase in defaulting contracts and volunteered to independently review the credit vetting process and saw sales increase by 0.5% and customer retention by 7% in Quarter 2 of 2010.
- My self-starter attitude saw me set up two chess societies, one in high school and another at university accommodating all levels of play with membership exceeding 70 people.

Team Working

- Managing a group of 10 individuals as Volkswagen Case Manager, I ensured we worked harmoniously as a team, resolving complaints and saw a 10% increase in customers who would recommend Volkswagen as per JD Power Survey 2008.
- Working with other credit risk advisors at O2, we successfully implemented a product's strategy re-launch and tripled sales in the second quarter of 2010.
- My role as project coordinator for Campus Crusade Charity allowed me to work in Southern Africa with different groups of people providing housing, food and clothing

Additional Skills

- Memberships: GradIMMM – Graduate member of The Institute of Materials, Minerals and Mining
FGS – Fellow member of The Geological Society
- Geological Applications: GIS, DIPS, Phase 2, Slide, RocPlane, SLOPE/W, SEEP/W, gINT
- Practical Experience: MS Suite Microsoft Access, Microsoft Project, AutoCAD, CorelDraw, SAS
- Clean driving licence

Employment Summary

2010 – 2012	Barclays Bank PLC - Mortgage Processes Analyst: Drive continuous process improvement to enhance business performance in recovering secured debt.
2008 – 2010	O2 Telefonica - Credit Risk Analyst: Managed risk and optimised and streamlined processes involving granting credit and implemented risk strategy for Leeds Office.
2007 – 2008	Volkswagen - Case Support Manager: Performed as liaison between Volkswagen and customers, maintaining great relations, resolving complaints and compensation cases.
2006 – 2007	GE Money - Debt Recovery Advisor: Negotiated recovery of unsecured debt and engineered repayment plans and consolidation loans where necessary.

Positions of Responsibility

2010 - 2012: Money skills awareness campaigner - promote responsible money management in schools
2005 - 2010: Chess president - ran and managed a chess society at university for all levels of play
2004 - 2010: Afro-Caribbean ambassador - emphasized importance of education and responsible living
2006 - 2007: Students' rights union representative - promoted fair treatment for all students

References

Available on request