

Kufre Antia

APM Student of the Year 2026

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COREN Registered Engineer R73473 | APM Member P0575821 | CIOB Committee Member

PROFILE

A COREN-registered Civil Engineer with over nine years of continuous experience across major infrastructure delivery, real estate construction, advanced academic practice and hands-on UK site operations. Grounded in site-based technical delivery, project controls, scheduling, quality assurance and digital construction, with an MSc in Construction Project Management with BIM (Distinction, 81%) from Northumbria University. Recognised for earning the confidence of clients, design teams and site crews through structured thinking, technical rigour and clear communication. Combines engineering judgement developed on a £1.5bn highway programme with advanced capability in BIM, virtual reality and data-driven project controls, and a demonstrated commitment to professional leadership and industry development.

SKILLS

Construction Delivery: Site operations, subcontractor supervision and coordination, quality assurance (RAMS, ITP, NCR), dimensional control, setting out, live traffic management, health and safety implementation, toolbox talks

Project Controls & Planning: Scheduling (MS Project, TILOS, Primavera P6), Last Planner System, critical path analysis, earned value management, cost-value reconciliation (CVR), progress monitoring, variance analysis, RIB iTWO

Digital Construction & BIM: BIM (ISO 19650), Revit, Navisworks, BEXEL, Autodesk Construction Cloud, Virtual Reality (VREX), 4D/5D simulation, digital coordination, CDE management, clash detection, BCF workflows

Design & Documentation: AutoCAD, drawing review, technical queries (TQ/RFI), change control, site documentation, handover documentation

Data & Reporting: Excel (advanced), SAP, Python (data analysis, computer vision), Power BI (developing)

Contracts & Commercial: FIDIC Silver Book, NEC4, interim statements, dispute resolution, insurance claims, quantity surveying

EXPERIENCE

Site Engineer (UK Practice Development) | Various Contractors via Agency

Mar 2026 – Present

Deliberately building direct UK site experience across residential and commercial schemes to complement international infrastructure expertise and postgraduate-level qualifications.

- Supported on-site construction activities across multiple projects, including the Centurion Chase estate development with Bellway (via Daniel Owens Recruitment) and the St James' Park hospitality retrofit with Robertson (via Apex Recruitment).
- Applied HSE and CDM 2015 regulations in live UK site environments across different contractor systems and project types.
- Developed first-hand familiarity with UK site documentation practices, sequencing approaches and contractor workflows.

Project Manager | Northumbria University MSc Advanced Practice / Build Planet Zero Ltd

Jan 2025 – Apr 2025

Project: Design of a net-zero modular sensory garden, Nuns Moor Park, Newcastle | Tools: MS Project, BEXEL, Navisworks, VREX, Teams

- Led digital coordination and project planning for a modular net-zero public infrastructure scheme, working within a consultancy team at J Arthur Consult as part of MSc Advanced Practice.
- Applied structured 4D/5D resource-loaded scheduling and 3D modularisation sequencing using Navisworks, BEXEL and MS Project, aligning programme, cost and sequencing objectives.
- Deployed virtual reality (VREX) for stakeholder design reviews, reducing iteration cycles and accelerating design delivery through improved visual clarity.
- Maintained ISO 19650-aligned information management discipline including version control, structured reporting and digital documentation.

- Coordinated multidisciplinary team inputs across sustainable design, inclusivity and community engagement workstreams.

Technical Office / Section Engineer | Julius Berger PLC

Aug 2019 – Dec 2023

Project: Sustainable reconstruction of the 376 km Abuja–Kano Highway using recycled asphalt pavement | Value: £1.5bn |

Contract: FIDIC Silver Book | Tools: AutoCAD, RIB iTWO, TILOS, Excel, SAP

Section Engineer

Sep 2021 – Dec 2023

- Led site engineering delivery across a 167 km section of live highway reconstruction under phased traffic management, coordinating supervisors, surveyors, subcontractors and laboratory teams.
- Supported planning and delivery of over 250 culverts and drainage structures using precast components, undertaking site investigations and coordinating design changes with internal and external design teams.
- Onboarded and managed multiple subcontractors including OPL utility relocations, preparing look-ahead schedules, issuing job notifications and signing off executed quantities for invoicing.
- Prepared and implemented Method Statements and Inspection Test Plans (ITPs), maintained the NCR register and followed up open NCRs to resolution.
- Performed civil engineering design calculations for construction activities including cement spread-rate calculations for soil stabilisation based on moisture content and shear stress assessments.
- Maintained stakeholder assurance with client representatives and funding organisations, leading site visits and inspections to verify material quality and construction compliance.
- Analysed plant and equipment productivity through truck cycle time monitoring, haul distance tracking and chisel consumption analysis, improving operational efficiency across work fronts.
- Supported tender feasibility studies and shared technical innovations across regional projects, contributing to business development and continuous improvement initiatives.

Technical Office Engineer (Project Controls)

Aug 2019 – Sep 2021

- Monitored construction progress across highway pavement layers, drainage and crash barrier works, reconciling material consumption against executed quantities and preparing interim statements.
- Produced monthly cost reports, cost-value reconciliations (CVRs), earned value tracking and planned-versus-actual material cost comparisons using RIB iTWO and Excel, developing a strong grounding in project controls and forecasting workflows.
- Developed short-term look-ahead schedules from TILOS master plans using Last Planner System principles, integrating work-front supervisors into weekly planning cycles.
- Designed and implemented a multi-workbook Excel tracking system linking daily production data to iTWO MKSIV outputs, automating discrepancy identification and improving progress data quality for efficient project control.
- Monitored critical path activities, identified slippage trends and supported corrective resequencing; produced weekly and monthly management reports and facilitated progress reviews with project and client teams.

Key achievements:

- Supported £2.7m insurance claims recovery through detailed root cause analysis of subgrade failure, producing technical reports, cost estimations and substantiation for loss adjusters — directly within the project controls and reporting function.
- Resolved £1.1m in disputed interim statements by acting as mediator between the engineer's representative, subcontractors and QS team, conducting technical reviews and providing progress evidence that restored contractor cash flow.
- Improved Planned Percentage Complete by 30% by embedding work-front supervisors into scheduling activities during weekly site meetings and tightening the feedback loop between site execution and programme updates.

Civil Site Engineer | Xantias Construction Limited

Jun 2016 – Jun 2019

- Supported engineering activities through design and construction phases across drainage infrastructure, educational facilities, hospitality and residential projects.
- Carried out setting-out and dimensional verification of excavation, drainage and structural elements using a dumpy level.
- Supervised daily site operations, ensuring compliance with design drawings, specifications and quality standards.
- Coordinated with designers and consultants to resolve technical queries and maintain constructability across active work fronts.
- Managed site documentation including daily progress reports, inspection records and material tracking logs.

- Prepared Basic Engineering and Design Packages (BEDP) including design calculations, specifications, work scope definitions and bills of quantities.

PROFESSIONAL LEADERSHIP & VOLUNTARY ROLES

Committee Member — Northeast Regional Hub | Chartered Institute of Building (CIOB) *Oct 2025 – Present*

- Represent the CIOB Tomorrow's Leaders network across the Northeast, promoting professional development and engagement among students and early-career professionals.
- Participated in panel discussions at the CIOB Regional Conference on the Building Safety Act, exploring implications for digital construction, the Golden Thread of information and regulatory compliance.
- Support collaboration between universities and industry, fostering links between academic learning and professional practice.

Student Member | Association for Project Management (APM) *2024 – Present*

- Named APM Student of the Year 2026 for applying acquired knowledge to identify and address project delivery challenges with sustainable benefits.
- Led the Bridge the Gap initiative through its full lifecycle as APM Project Management Challenge 2025 Northeast Regional Finalist — managing changes, meeting 100% of KPIs and securing £2.5k in-kind sponsorship.
- Founded Northumbria Construct, a student society bridging industry and academia, launching chapters across partner institutions — a direct outcome of the Bridge the Gap initiative.
- Analysed 115 survey responses to identify industry skills gaps; reached 40+ students through seminars, site visits and virtual guest lectures.
- Served as judge at the 2025 CIOB Student Challenge at Gateshead College.

Founder / Training & Development Lead | Northumbria Construct Student Society *Nov 2024 – Present*

- Founded a hybrid society for students and early-career professionals bridging the transition from academia to industry.
- Organised and delivered seminars, webinars, site visits and training through institutional networks; replicated APM Oxford-style debate format, contributing to a 25% improvement in student participation at CIOB events.

Programme Representative | MSc Construction Project Management with BIM, Northumbria University *Jan 2024 – Jan 2026*

- Represented the MSc cohort in academic and operational discussions, advocating for curriculum enhancements and student experience improvements.
- Successfully advocated for increased duration of practical workshops, improving alignment between academic content and industry practice.

East Concourse Stand Manager — Matchday Operations | Sodexo Live, St James' Park *Jun 2024 – Present*

- Managed 30 staff and coordinated the East Concourse across six kiosks during Premier League matchdays under strict time constraints and high-volume conditions.
- Implemented continuous improvement processes resulting in recognition as Most Improved Stand and Unit of the Season 2024/25.
- Improved targeted sales by 65% through structured team coordination, performance monitoring and feedback integration.

EDUCATION & QUALIFICATIONS

MSc Construction Project Management with BIM — Distinction (81%) | Northumbria University *Jan 2024 – Jan 2026*

Modules: Project Planning & Scheduling | Project Control | Lean Construction | Integrated Project Delivery | BIM | ISO 19650 | NEC Contracts | People Management | Procurement & Supply Chain Management

Dissertation: AI-BIM Integration for Lean Waste Elimination in Project Controls

CPD & CERTIFICATIONS

- CITB Health and Safety (2025)
- ICE Health, Safety & Wellbeing Course — 5 weeks (2026)
- Fire Marshal (2024)
- First Aid at Work (2024)
- CSCS Card — Green & White (2026)
- Revit Boot Camp (2024)
- SMSTS — in progress

AWARDS & RECOGNITION

APM Student of the Year — Association for Project Management | 2026

Outstanding Student Commendation (Winter Congregation) — Northumbria University — inspirational leadership and tenacity | 2025

Outstanding Student Commendation (Summer Congregation) — Northumbria University — for developing Northumbria Construct | 2025

Award of Recognition — Nigerian Institution of Civil Engineers — initiative, impact and intentionality | 2025

APM Project Management Challenge — Northeast Regional Finalist — Association for Project Management | 2025

Most Improved Stand & Unit of the Season — Sodexo Live, St James' Park | 2024/25

Alumni of the Year — Department of Civil Engineering, University of Uyo | 2017

PROFESSIONAL SUMMARY

Over nine years of continuous, construction-relevant experience spanning major self-delivered infrastructure, real estate construction, postgraduate academic practice in project controls and BIM, and hands-on UK site operations. Proven across the full project lifecycle — from technical site delivery and subcontractor coordination through project controls, digital construction and stakeholder management — with a consistent record of turning structured thinking and emerging digital methods into measurable project outcomes.

Named APM Student of the Year 2026. Holds an MSc in Construction Project Management with BIM (Distinction, 81%), two Outstanding Student Commendations from Northumbria University, and a COREN registration. Described by peers and supervisors as dedicated, resourceful and highly engaged, consistently earning the confidence of clients, design teams and site crews. Seeking roles in project controls, project planning, construction management or project engineering — with a particular interest in self-delivery contractors and technically demanding programmes where planning actively shapes delivery outcomes.