**Mohammad Mohammad**

Birmingham

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**Professional Profile**

Strong expertise in project management and working within highway design, accumulating skills through the completion of a Civil Engineering degree, underpinned by multiple work experience placements. Have amassed a vast range of technical competencies, utilising key software. Solid transferable skills, gained from additional employment, working as a key team player, supporting and communicating with diverse colleagues.

**Key Skills and Technical Competencies**

* Academically Qualified Person CSCS Card
* Use Total Station and Automatic Level
* AutoCAD
* Set out engineering tasks
* Highway design
* Geotechnics design
* Highway sign design
* Surveying
* Manage projects
* Assess structural design
* Reinforced Concrete Design
* Designing of steel structures
* Steel Connection design
* Midas Civil 2020
* KeySIGNS
* Google SketchUp
* Ansys Mecanical
* Oaysis GSA Suite
* Ms Project, Excel, Word
* Gather and analyse information
* Proactive problem solving
* Build and develop robust professional relationships
* Exemplary communication skills
* Plan and organise tasks
* Prioritise work load
* Influential team player
* Work independently

**Qualifications and Professional Training**

***MSc Civil Engineering – (Distinction) (Coventry University: Sep 2020-2021)***

* Core modules: Connection Design; Applied Finite Element Analysis; Soil-Structure Interaction; Bridge Engineering; Catchment Hydrology, Hydraulics and Flooding Modelling; Construction Contract and Law; Strategic Management for Construction and Engineering

***BEng (Hons) Civil Engineering - 1st class (Coventry University: Sep 2017-2020)***

* Core modules: Highways and Surveying; Steel and Concrete Structures; Structural Design; Structural Analysis; Contract and Project Management; Geotechnics and Hydraulics; Engineering Analysis and Materials
* Dissertation: To investigate and appraise the effectiveness of Clean Air Zones in major UK cities, and then produce recommendations regarding Clean Air Zone in Coventry

***MIDAS Civil – Modelling of Composite Bridge Deck | Professional Development workshop – 2020***

* Analysed the construction phase of a 2 Span Steel Composite Bridge, including time dependent shrinkage effort on long-term moment, utilising and applying the principles underlying advanced areas of structural analysis
* Interpreted collated data

***Access to Higher Education Level 3 – Science (Bournville College: Sep 2016-Sep 2017)***

* 3 Modules: Chemistry - 12 distinctions; Physics - 12 Distinctions; Biology - 12 merits

***7GCSEs, grades A\*- C, including Maths & Physics - grade A (Cambridge Tutorial College: Sep 2013-Sep 2014)***

**Key Projects**

***Birmingham Clean Air Zone Project - 2019***

* Instrumental part of the ongoing Clean Air Zone Project, addressing the problem of air pollution in the City, discouraging the most polluting vehicles from entering the zone
* Undertook initial research on locating the zone and the signs to be changed
* Designed road signs, using KeySIGN and AutoCAD, using Traffic Signs Manual and Design Manual for Roads and Bridges (DMRB)
* Worked as a team with clients and other professionals from Birmingham City Council
* Attended several project management meetings, including those with National Express, discussing number of bus stops needed, remaining within budget

***Shrewsbury Field Surveying (Coventry University)- 2018-2019***

* Compared transport planning methods, undertaking rigorous research
* Processed highway-planning strategies
* Established horizontal and vertical control through ordinary levelling, trigonometrical levelling, traversing, intersection, free station and GPS
* Completed topographical surveys, creating focused plans and sections, utilised at both the design and construction phase
* Undertook setting out tasks, including: roadways, junctions, cuttings, embankments, buildings and drainage, working within a team of 6, meeting strict deadlines
* Monitored the accurate returning of equipment
* Used total stations, automatic level, tripods and prisms when undertaking tasks

**Work Experience**

**Aug 2021- May 2022** **Atkins**

***Site supervisor/Assistant Project manager***

***Major Projects: B4063 Cycleway Scheme & West Cheltenham Transport Improvement Scheme***

* Acted as a supervisor during the construction phase of major projects; representing Gloucestershire council.
* Check works if they are carried out in compliance with the Works Information including testing of material and observing tests carried out by the Contractor;
* Manage the defects process, check and mark materials off site so as to protect the Employer's interests;
* Assist the Project Manager, and create instruction/compensation events;
* Witness off site and on -site testing and commissioning and keep appropriate records of results;
* Comply with the legal responsibilities regarding health, safety, welfare and environmental issues and highway legislation;
* Maintain records and data, operate and maintain information systems and undertake general administrative tasks;
* Identify technical problems on site, to recommend corrective action and bring to attention of PM to issue directions;
* Assist the Project Manager with managing contractors, sub-contractors, liaising with statutory utilities and dealing with technical queries;
* Prepare schedules of defects and certify rectification of snagging items; and
* Attend internal and external meetings, both on and off site as required.

**Additional Skills**

Language skills: English (fluent), Arabic (fluent), Swedish (intermediate), Turkish ( intermediate)

Full UK driving licence

**Additional Interests / Positions of Responsibility**

Participated in many martial arts competitions, including The British Student Taekwondo Federation tournaments, representing Coventry University

Instrumental part of Coventry University Societies, such as Language Exchange Society and Civil Engineering Society