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# ANAS WAJEEH

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Lecturer | Engineer | Content Creator



Assistant Lecturer with over thirteen years of teaching experience in engineering mathematics, calculus-based subjects, and practical courses in AutoCAD, Revit, and 3Ds Max. Holding an M.Sc. in Hydraulic Engineering with strong skills in numerical methods, modeling, and algorithm development. Founder of an architectural visualization studio with international clients, bringing real-world industry insight into academic teaching. Dedicated to clear, modern pedagogy and enhancing student learning through technology and hands-on training.

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## Qualifications

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- Teach core Calculus and mathematics-oriented subjects essential for civil engineering, covering limits and continuity, derivatives and applications, integrals and techniques of integration, sequences and series, vector calculus, matrices, and determinants. Incorporate modern interactive tools such as GeoGebra, Desmos, Math3D, Integral Calculator, and Khan Academy modules to visualize mathematical concepts and enhance active learning. Supervise student groups on mathematically driven projects such as water distribution network analysis. Deliver practical sessions in fluid mechanics, surveying, programming, and engineering programs.
- Over thirteen years of academic experience teaching practical courses in Revit, AutoCAD, and 3Ds Max.
- M.Sc. in Hydraulic Engineering with strong background in numerical methods, mathematical modeling, and algorithm development.
- Skilled pedagogy trainer with experience preparing university staff in teaching methods, assessment strategies, and ICT tools.
- Founder and manager of an architectural visualization studio with international clients, providing real-world industry insight and advanced digital visualization skills.
- Extensive experience in computer programming, data analysis, and workflow automation using VBA, MATLAB, and engineering software integrations.
- Strong leadership and administrative experience, including service as Vice Dean managing staff, students, and multi-department operations.
- Proven ability to simplify complex concepts, deliver engaging instruction, and support diverse learners through modern teaching methods and digital platforms.

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## Carrier

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November 2011  
to  
Present

University of Duhok  
*Duhok, Iraq*

*2018 to present:* Teach core Calculus and mathematics-oriented subjects essential for civil engineering for the last four years, covering topics aligned with *Thomas' Calculus*, including limits and continuity, derivatives and their applications, integrals and techniques of integration, sequences and series, vector calculus, matrix and determinants. Deliver supporting practical sessions in engineering applications such as fluid mechanics, surveying, and computer programming. Supervise student groups on mathematically driven engineering projects, including the design and analysis of water distribution networks.

In my calculus courses, I incorporate modern interactive tools such as **GeoGebra**, **Desmos**, **Integral Calculator**, **Math3D**, and relevant **Khan Academy** modules to visualize concepts like limits, derivatives, tangent lines, vectors, and 3D surfaces. I

regularly organize students into collaborative groups to solve real-world, practical calculus problems, encouraging active learning, peer discussion, and applied problem-solving using these digital platforms.

*2020 to 2021: Vice Dean of the Engineering College.*

Assistant of dean in managing the staff, students, and the campus buildings of the college.

Managing the administrative staff of the college which consists of about 150 personnel, and the students from the seven departments of about 1500 students.

*2021 to 2022: Duhok University Pedagogy Center Trainer*

Training the applicants of the scientific title the basics of pedagogy and the ICT module.

*2011 to 2018: Teaching assistant, Engineering College.*

Assisting the lecturer and supervising the students in various practical and theoretical subjects, such as computer programming, engineering surveying and mathematics.

June 2023  
to  
Present

AsarViz Studio

*Duhok, Iraq*

Founder and CEO

Founded and lead a professional architectural visualization studio delivering high-quality renders, animations, VR/AR experiences, and design presentations for international clients. Oversee creative direction, client relations, workflow management, and staff training, integrating advanced visualization software to produce competitive, industry-standard results.

March 2021  
to  
January 2024

Badrkhan Company

*Duhok, Iraq*

Operation Manager

Prepare the necessary documents for application and management of oil field services and coordinating the field staff along with the company administration.

November 2019  
to  
Present

Youtuber

Started a YouTube educational channel for the purpose of teaching the engineering software related to civil engineering field.

<https://www.youtube.com/c/anaswajeeheducational>

October 2021  
to  
December 2021

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

*Duhok, Iraq*

Consultant engineer for collecting data of six different water related project in Duhok city and Mosul. Managing and coordinating a team of four civil and architectural engineer.

July, 2019  
to  
July, 2020

Galnaski Construction Company

*Duhok, Iraq*

Tendering Engineer / Consultant

Re-arrange the structure of the company and improve the technical documents of the company and prepare necessary manuals and papers for applying to construction tenders.

April, 2019 to October, 2020	The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH <i>Duhok, Iraq</i> Project Monitoring / Consultant Monitoring the project of Azadi hospital located at Duhok. Tracking the tasks and report generating by using MS Project software, and using advanced Macros and VBA coding for data analysis.
March, 2019 to June, 2019	GITECH-AMBERO Consulting GmbH <i>Duhok, Iraq</i> Autocad Drafting / Consultant Using advance techniques like programming in autocad (VBA) to import water network data from existing several format database files to the new database created by GIS.
July, 2018 to September, 2018	The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH <i>Duhok, Iraq</i> BIM / Consultant Using the advance software like Revit and Enscape for BIM and drafting, modelling and 3D visualizing of a hospital project, from draft to final working sheets.
March, 2018 to March, 2019	Florans Co. / Façade & Aluminium construction <i>Duhok, Iraq</i> Advisor and company founder Building the company structure and the supervision and design of company building, including factory and the showroom. Advising the owner for the best options for reducing cost and best quality. Implementation of computer software and coding to enhance the workflow of the company. Preparing the company documents and advertising. Create and manage a website and its own email address.
July, 2015 to July, 2016	Dismar Co. / Façade & Aluminium construction <i>Erbil, Iraq</i> Executive manager Management of company branch at Erbil. Leading the construction stuff and prepare the working plan for the stuff. Estimation of project's BoQ and the supervision of the project. Experience in marketing with client.
May, 2013 to June, 2015	Dismar Co. / Façade & Aluminium construction <i>Duhok, Iraq</i> Company engineer Site supervision and project management. Estimation of project's BoQ.
September, 2013 to May, 2014	Hydraulic designer assistant <i>Duhok, Iraq</i> Private sector Assisting the designer professor in the design of the sewer networks for local areas. Implementation of computer programming for faster work flow, and joining both Autocad and MS Excel together by VBA (Visual Basic for Applications) for the purpose of data management and cross-checking the projects calculation. Handle of large data set by using smart algorithm in Excel VBA.

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## Experiences

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- **Teaching & Academic Instruction**

Delivered lectures and practical sessions in calculus-based subjects, engineering mathematics, fluid mechanics, surveying, and computer programming. Taught hands-on courses in AutoCAD, Revit, and 3Ds Max, helping students develop both analytical and technical skills. Supervised student projects in water distribution networks and engineering applications.
- **Pedagogy & Staff Training**

Served as a Pedagogy Center Trainer, providing instructional training for university lecturers on modern teaching methods, ICT integration, assessment strategies, and student-centered learning approaches. Supported academic staff in digital education platforms and effective course design.
- **Architectural Visualization & Digital Production**

Founder and manager of AsarViz Studio, producing high-end architectural visualization, 3D rendering, VR/AR content, and animation for international clients. Directed workflows, trained staff, and delivered visually compelling design presentations using advanced software such as 3Ds Max, V-Ray, Lumion, and Unreal-based tools.
- **Engineering Software Specialist**

Designed and delivered specialized training in engineering software, including AutoCAD Civil 3D, Revit, WaterCAD, MS Project, MATLAB, VBA automation, and database-linked workflows. Developed custom coding solutions to enhance data processing, automate tasks, and integrate engineering platforms for improved performance.
- **Consultancy & Technical Engineering Work**

Worked with international organizations (GIZ, GITECH-AMBERO) as a consultant engineer for data collection, BIM modeling, drafting, hydraulic design, and project monitoring. Used programming in AutoCAD (VBA), advanced Excel algorithms, and GIS to streamline large engineering datasets and improve project accuracy.
- **Project Management & Supervision**

Directed site supervision for villa construction, hospital monitoring projects, and facade/aluminum works. Managed BoQ estimations, scheduling, task tracking, and field coordination using MS Project and digital reporting tools. Oversaw teams of engineers and technicians to ensure quality and timely execution.
- **Leadership & Administrative Management**

Served as Vice Dean of the Engineering College, managing academic operations, student affairs, staff coordination, and campus administration across seven departments. Oversaw more than 150 staff members and 1,500 students while improving efficiency and workflow processes.
- **Content Creation & Online Education**

Created educational YouTube content for engineering students, producing clear, visual tutorials on engineering software. Built a significant audience and enhanced remote learning accessibility through structured, high-quality digital lessons.

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## Key Competencies and Skills

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**Teaching &  
Curriculum Delivery**

**Software Instruction &  
Technical Training**

**Mathematical &  
Analytical Skills**

**Educational Technology &  
Pedagogy**

**Architectural Visualization &  
3D Production**

**Project &  
Team Management**

**Consultancy & Engineering  
Practice**

**Problem-Solving &  
Innovation**

**Communication &  
Collaboration**

**Content Creation &  
Technical Communication**

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## Computer Software Skills

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**AutoCAD Civil 3D  
3Ds Max  
Corona rendering  
Matlab**

**Revit  
MS Project  
Photoshop  
VBA – Visual Basic for Applications  
Adobe After Effects**

**MS Excel (*Advanced Level*)  
Sketchup  
WaterCad  
Fortran**

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## Self-learning Courses/Trainings

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**AutoCAD Civil 3d  
MS Access (*Database*)  
Corona Rendering  
Matlab  
Adobe after effects  
3Ds max and Corona**

**Revit  
MS Project  
Photoshop  
VBA – Visual Basic for Applications  
ArcGIS  
Management Skills**

**MS Excel (*Advance*)  
Sketchup  
WaterCad  
Lumion  
Adobe Premiere Pro  
Time Management  
Fundamentals**

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## Academic Qualifications

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2014-2018

M.Sc. Hydraulic Engineering  
*University of Duhok*

Simulation of an open channel by using a computer open source code, developing the code to handle different flow conditions.

2007-2011

B.Sc. Civil Engineering\ Water Resources  
*University of Duhok*  
Graduated in the 3<sup>rd</sup> rank.

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## Personal Info

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Name

Anas Wajeesh Abdulrahman

Nationality

Iraqi

Academic Degree

Master's degree in Hydraulic Engineering

Address

Office #10, Zogor Building, Horses Roundabout, Duhok, Iraq.

Phone

(+964) 750 451 1001

E-mail

anas.kordi@gmail.com

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## Languages

English	Very good, TOEFL SCORE: 65
Arabic	Excellent
Turkish	Fair
Kurdish	Mother Language

References – available on request.