

Fadil Karim

COMPUTATIONAL BIM TECHNICIAN



SUMMARY

Driven CAD Technician with strong technical skills and problem-solving abilities. Expert in Revit, AutoCAD, and Bentley Suites. Highly Experienced in Parametric Modelling and Computational Design with Grasshopper, Dynamo, and Python. These tools increase efficiency by removing the need for manually re-modelling. Deep understanding of BIM software, workflows, and modelling. Creator of a YouTube channel with BIM modelling tutorials in Revit with 7k+ subscribers.

CHANNELS



DenariAnalytics YouTube Channel
Revit and Grasshopper Tutorials
7k+ Subscribers
[YouTube.com/@DenariAnalytics](https://www.youtube.com/@DenariAnalytics)



DenariAnalytics Website
Revit & VR Model and Grasshopper Script
Downloads
[DenariAnalytics.com](https://www.denarianalytics.com)

+44 7713563722
fadilkarim@live.co.uk
Southbank, London

EDUCATION

- 2021 - 2023
King's College London
The Psychology and Neuroscience of Mental Health, PGCert
- 2010 - 2014
University of Birmingham
Civil Engineering, BEng
- 2008-2010
St. Joseph's College
A-Levels - Maths (A), Further Maths (B), Physics (C)

SECTOR EXPERIENCE



RAIL



INFRASTRUCTURE



RESIDENTIAL



BUILDING STRUCTURES



TEMPORARY WORKS

MATERIAL EXPERIENCE

- Steel
- RC Concrete
- PT Concrete
- Timber
- Stone
- Scaffolding

WORK EXPERIENCE

JAN 2024/PRESENT

SENIOR BIM TECHNICIAN at ES Global.

CONTRACTOR

LONDON, UK

Model & Drawing Production - AutoCAD 3D

- 3D modeling, coordination, and drawing production of **scaffold** structures for the Paris 2024 Olympic Games.

Computational Modelling Scripts Developed - Grasshopper & Python for AutoCAD

- Create distance tables from structure to topography for hundreds of elements.

OCT 2023/DEC 2023

SENIOR BIM TECHNICIAN at Eckersley O'Callaghan.

CONTRACTOR

LONDON, UK

Model & Drawing Production - Revit

- 3D modeling, coordination, and drawing production of **concrete** structures for VIP residential projects.
- Parametric family production.

Computational Modelling Scripts Developed - Grasshopper for Revit

- Create, place and schedule hundreds of beams for complex roof structures.
- Create hundreds of named and numbered sheets in seconds for any project.
- Create hundreds of Plan GA views in seconds for any project.

DEC 2022/OCT 2023

SENIOR BIM TECHNICIAN at Buro Happold.

CONTRACTOR

LONDON, UK

Model & Drawing Production - Revit

- 3D modeling, coordination, and drawing production of **RC concrete & steel** structures for multiple projects for Saudi Arabia's **Vision 2030**.

Computational Modelling Scripts Developed - Dynamo for Revit

- Create and place multiple nodes at connection points for a complex steel frame sliding roof structure then schedule the x, y, z distances from a base point.

APR 2022/DEC 2022

SENIOR BIM TECHNICIAN at GHD Engineering.

CONTRACTOR

LONDON, UK

Model & Drawing Production - Revit

- 3D modeling, coordination, and drawing production of **RC concrete** structures.

Computational Modelling Scripts Developed - Python

- Developed Python and PowerBI skills.

APR 2022/DEC 2022

SENIOR BIM TECHNICIAN at RDG Engineering.

CONTRACTOR

LONDON, UK

Model & Drawing Production - Revit, OpenBuildings

- 3D modeling, coordination, and drawing production of **scaffold** structures for various buildings and railway stations.

Work Experience continued on page 2...

SOFTWARE SKILLS

3D BIM



Revit EXPERT



AutoCAD EXPERT



OpenBuildings EXPERT



Blender INTERMEDIATE

COMPUTATIONAL DESIGN AND CODING



Python ADVANCED



Grasshopper ADVANCED



Dynamo ADVANCED



Linux OS - Debian ADVANCED

GRAPHIC DESIGN



Adobe Illustrator EXPERT



Adobe Photoshop ADVANCED



Adobe InDesign ADVANCED

CLOUD SERVICES



Autodesk Construction Cloud



ProjectWise



NVIDIA Omniverse



GitHub

