

# Majed Kanoua

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## Professional Summary

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Civil Engineer with advanced academic expertise in structural analysis, seismic behavior, and modern engineering design methodologies. Skilled in developing accurate numerical models, evaluating material performance, and enhancing structural efficiency using global design codes. Strong ability to assess alternatives, optimize structural components, and ensure compliance with safety and technical standards. Adept at applying scientific research methods to improve design quality and support decision-making. Focused on achieving engineering solutions that align with project requirements and deliver high-performing structural systems.

## Education

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**Master of Science in Civil Engineering** – Istanbul Gelisim University | Graduation: July 2025

**Bachelor of Science in Civil Engineering** – Istanbul Bilgi University | Graduation: September 2023

## Publications

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- Optimization of Natural Frequencies for Functionally Graded Beams Using Metaheuristic Algorithms.

## Awards

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### Bachelor's Graduation Project

- The award was in accordance with the project proposal, and it was made sure that this study was made for the evaluation of various factors influencing the cost of constructing a reinforced concrete home.

## Academic Projects

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### Master's Research Project | July 2025

- The study was Optimization of Natural Frequencies for Functionally Graded Beams Using Metaheuristic Algorithms (dynamic analysis).

### Bachelor's Graduation Project | July 2023

- The purpose of the study is to create a comprehensive cost comparison to help understand the extent to which these parameters can affect the cost. The cost considered is only the material cost of concrete and steel rebars according to the market prices in Turkey in May 2023.

## Skills

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### Soft Skills:

Analytical Thinking | Effective Communication | Observational Skills | Prioritization | Logical Reasoning | Continuous Learning

### Practical Skills:

Structural Analysis | Engineering Design | Quantity Surveying | Vibration Analysis | Materials Study | Project Planning | Engineering Report Preparation | Cost Analysis | Construction Risk Assessment | Code Application | Design Review

### Technical Skills:

AutoCAD | SAP2000 | MATLAB | ACI Code | Eurocode | Turkish Seismic Code | Structural Element Modeling | Dynamic Analysis | Optimization Methods | Vibration Analysis | Structural Behavior Analysis | Microsoft Office (Outlook, Microsoft Word, PowerPoint, Excel, Microsoft Access)

## Languages

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- **English** : Fluent | **Arabic** : Native