

# Mohammad Nawawra

## Computer Simulation Engineer

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Location: Bethlehem, Palestine

### Summary

Highly motivated Computer Simulation Engineer with strong academic background and practical experience in numerical methods, FEA, and programming. Proficient in Python, Java, C++, MATLAB, and Abaqus. Eager to apply engineering principles to solve complex problems.

### Education

#### B.Sc. in Computer Simulation Engineering | Bethlehem University, Palestine

August 2021 - July 2025

GPA: 3.39/4.0 (Major: 3.43/4.0)

### Experience

#### Research Intern | UCLouvain, Belgium (Feb-May 2025)

- Implemented DG method in Python for PDEs; evaluated model accuracy.

#### Research Assistant | Bethlehem University, Palestine (Oct-Dec 2024)

- Researched numerical methods for heat equations; conducted MATLAB simulations.

#### Intern (FEA & Modeling) | CSSE (Remote) (Jul-Aug 2024)

- Performed FEA using Abaqus; developed mathematical models in MATLAB.

### Skills

**Programming:** Python, Java, C++, OpenGL

**Tools:** MATLAB, Abaqus, VS Code

**Methods:** DG, FEA, Crank-Nicolson, Runge-Kutta

### Languages

Arabic (Native), English (Fluent)