

Momen Najajrah

Mechanical Engineer · M.Sc. Biomedical Engineering
Rostock, Germany

Professional experience

05/2025 – present

Mechanical Engineer

Kraken Robotics · Rostock

Mechanical design, product optimisation and solutions for production automation.

- Design of components and assemblies using SOLIDWORKS and PDM.
- Engineering drawings and manufacturing documentation.
- Projects involving CNC machining, 3D printing, injection moulding and vacuum casting; simulation and validation.

04/2022 – 12/2024

Mechanical Development Engineer

Diaspective Vision GmbH · Am Salzhaff

Development of mechanical components and leadership of enclosure development for medical devices.

- CAD design, 3D prototypes, validation and technical documentation.
- NCR/CAPA responsibilities and support for physicians during surgical demonstrations.

10/2020 – 12/2021

Research Assistant & Master's Thesis

University of Rostock · Biomechanics & Implant Technology Lab

Additively manufactured bone models and numerical analysis of implant fixation stability.

- Development of additively manufactured bone models.
- Finite element analysis and support with data analysis and numerical simulations.

10/2018 – 09/2019

Academic Project & Bachelor's Thesis

University of Rostock · Institut für Biomedizinische Technik

A drug-eluting microstent for glaucoma surgery and numerical modelling of the mitral valve.

- Development of a drug-eluting microstent.
- Numerical modelling to evaluate innovative treatment methods.

Education & expertise

Momen Najajrah · Engineering Portfolio

Education

10/2019 - 12/2021

M.Sc. Biomedical Engineering

University of Rostock

10/2016 - 09/2019

B.Sc. Biomedical Engineering

University of Rostock

2015-2016 · Chemistry, University of Duisburg-Essen · not completed.

2014-2015 · PDL Language School, Dortmund · German C1 certificate.

Professional training

04/2025 · Quality Management Representative · TÜV Rheinland

11/2025 · First aid

06/2026 · Safety Officer

07/2026 · Fire safety training

Tools & methods

CAD & simulation

SOLIDWORKS · PDM · Fusion 360 · PTC Creo · Siemens NX · Solid Edge · Abaqus · ANSYS · SpaceClaim

3D & image analysis

3D printing slicers · Amira / Avizo · CTAn · NRecon · Geomagic Design X

Analysis & programming

Python · MATLAB · LabVIEW · C++

Documentation & engineering

Word · Excel · PowerPoint · SharePoint · Mdesign

Quality & processes

Change Control · SOP · NCR/CAPA · FMEA · DFM
ISO 9000/9001 · ISO 13485 · ISO 14971 · EN 60601 · EU GMP

Languages

German C1/DSH2 · English C1 · Arabic native