ALI ISMAYILLI

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PROFESSIONAL SUMMARY

4th-year Mechanical Engineering student at Baku Engineering University, skilled in SolidWorks, AutoCAD, engineering analysis, 3D Modelling, and technical drawing. Seeking an internship opportunity as a CAD Designer or Mechanical Design Intern.

EDUCATION

Baku Engineering University (Baki Mühəndislik Universiteti)

Bachelor of Mechanical Engineering (English Medium) | 2023 - 2027 | GPA: 81.4/100

Key Courses: Heat Transfer | Machine Design | Automation Fundamentals | Thermodynamics | Manufacturing Technology

TECHNICAL SKILLS

Software: SolidWorks, AutoCAD, MS Excel, Blender, SketchUp, SolidCAM, Ansys.

Engineering & Automation: Automation Fundamentals, Engineering Calculations, 3D Modelling, Technical Drawing

ENGINEERING PROJECTS

Four-Bar Mechanism Analysis

- Designed and analyzed a complete four-bar linkage mechanism for mechanical motion transmission
- Calculated displacement, velocity, and acceleration characteristics using analytical methods
- Produced detailed engineering drawings and assembly documentation in SolidWorks

CAD Design Portfolio

- Developed multiple mechanical components and assemblies using SolidWorks and AutoCAD
- Created manufacturing-ready technical drawings with GD&T annotations
- Applied reverse-engineering techniques to existing mechanical systems and industrial equipment

Engineering Laboratory Analysis

- Conducted experiments in heat transfer, materials science, mechanics, and manufacturing processes
- Performed engineering calculations, data analysis, and technical reporting
- Interpreted experimental results using thermodynamics and heat transfer principles

KEY ACADEMIC ACHIEVEMENTS

Heat Transfer - 97/100 | Machine Design - 96/100 | Thermodynamics - 93/100

"Bebras" International Contest on Informatics and Computational Thinking (III place) - ADA University, 2017

INTERESTS & TARGET SECTORS

Interests: CAD/CAM, 3D Modelling, Technical Drawing, CNC Machining.
Target: Seeking an internship or entry-level position as a CAD Designer or Mechanical Design Intern.

LANGUAGES

Azerbaijani : Native | Turkish : Fluent | English : Upper-Intermediate

CERTIFICATIONS

Future Engineers Scholarship Program – Mechanical Engineering Course | Azerbaijan Engineers Union | Mar 2026 – May 2026