

# MICHAELA GROVE

CV

📍 Birmingham, United Kingdom 📞 +44 1214960508 ✉ example@cvmaker.uk

Recent Mechanical Engineering graduate from the University of Bristol with hands-on experience in CAD design, project management, and data analysis. Strong problem-solving skills and a passion for sustainable engineering solutions. Eager to contribute technical knowledge and innovative thinking to a dynamic engineering team.

## EDUCATION

### BEng Mechanical Engineering

2021 - 2024

University of Bristol, Bristol, UK

Developed strong foundational knowledge in core engineering principles including thermodynamics, fluid mechanics, and control systems. Gained practical expertise in CAD software (SolidWorks, AutoCAD) and simulation tools. Enhanced analytical and problem-solving abilities through hands-on projects and laboratory work. Built competence in data analysis, prototype testing, and teamwork within multidisciplinary environments.

- **Relevant courses:** Thermodynamics, Fluid Mechanics, CAD Modelling, Control Systems
- **Thesis:** Design and optimisation of an energy-efficient HVAC system
- **Student Society:** Treasurer, Manchester Entrepreneurs Society – managed budgeting and event finances.

## WORK EXPERIENCE

### Engineering Intern

2024 - Present

Stone Engineering Solutions

Assisted senior engineers in CAD design and drafting using SolidWorks. Supported prototype testing and data collection for automotive parts. Collaborated with cross-functional teams in a fast-paced environment

- Analysed test data and presented findings to improve design efficiency by 10%.
- Collaborated closely with engineers and project managers to successfully deliver key project milestones ahead of schedule, improving overall team efficiency.

## SKILLS

Prototyping, Data Analysis, Testing & Validation, Design for Manufacture, SolidWorks, Python (basic), AutoCAD, MATLAB

## ADDITIONAL INFORMATION

- Member, Institution of Mechanical Engineers (IMechE)
- Volunteer STEM tutor for local secondary school students
- Interests: Renewable energy technologies, cycling, 3D printing

## PROJECTS

### Energy Efficient HVAC System Design

- Designed an HVAC prototype to reduce energy consumption by 15%.
- Performed thermal simulations and material selection to optimise performance.
- Presented findings to academic panel and industry experts.