Yanis Ghrib

Mechanical Engineer Graduate

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Summary

Final year Mechanical Engineering student at Nottingham Trent University (BEng, 2026), with work experience from an industrial placement at Air Products (Fortune 500 Company).

Seeking a graduate role where I can apply my core skills while developing knowledge of adjacent areas to deliver concrete outcomes that meet business requirements.

Experience

Air Products and Chemicals, Inc.   **August 2024 to September 2025**
Packaged Gases Engineer (Industrial Placement Year)   Basingstoke, United Kingdom

- Designed and implemented condition monitoring for packaged gases. Built generic logic for rollout to 15 European plants and integrated outputs with a contractor-run scheduling process.

- Converted historian data into KPIs, safety alarms and role based dashboards. Automated monthly reviews with Python and Excel VBA. Delivered more than 30 KPIs and more than 10 alert scenarios from about 110 raw tags.

- Created a standard naming convention for tags that mapped raw plant signals to equipment, transmitter type and data type making KPI definitions and dashboards replicable across all sites.

- Standardised drawings and documentation. Updated about 250 AutoCAD piping and instrumentation drawings (P&IDs) and legend sheets for specific or generic use.

- Travelled to sites for troubleshooting, ran root cause analysis (RCA) and produced management reports with recommended actions.

Nottingham Trent University   **June 2023 to September 2023**
Summer Internship   Nottingham, United Kingdom

- Designed a research assembly/test rig in Fusion 360, produced engineering drawings, supported the workshop build in collaboration with technicians, and performed measurement and fit checks.

- Credited as a contributor to a scientific journal article on vibration isolation for neonatal transport led by my supervisor, an associate professor.

Education

Nottingham Trent University   **September 2022 to June 2026**
                                                                         Nottingham, United Kingdom

- Mechanical Engineering BEng with Year in Industry, Expected First-Class Honours

Projects

Personal Portfolio
🔗 https://ghrib.co.uk/

Publications

Vibration isolation in neonatal transportation systems using a resilient biasing device   **June 2025**
Afazov, S., Mansfield, N. and Ghrib, Y., et al. (2025)
🔗 https://irep.ntu.ac.uk/id/eprint/53762/

Skills

Software   **Coding Language**

Autodesk AutoCAD, Fusion 360, ANSYS (FEA),   Python, VBA, HTML, JavaScript, CSS
MATLAB, Simulink, Power BI, Excel

Languages

English   **French**   **Arabic**
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Additional

- **Right to work:** UK (EU Settlement Scheme Settled Status); EU/EEA & Switzerland (French passport)

- **Relocation:** Flexible on relocation, preference for South East England
- **Full UK Driving Licence**

References

Available upon request