

# Darragh McLoughlin

Whitewell, Gaybrook, Mullingar, Co. Westmeath

087 3313338 • [darraghmcloughlin77@gmail.com](mailto:darraghmcloughlin77@gmail.com) • [www.linkedin.com/in/darraghmcloughlin](http://www.linkedin.com/in/darraghmcloughlin)

## Experience

---

**Graduate E&I Engineer – Arcadis GROW Program** Sep. 2025 - Present

Leixlip, Co Kildare – Semiconductor Industry

- Developing and reviewing P&IDs for process systems and utilities.
- Using AutoCAD and Bluebeam for design markups, redlines, and drawing reviews.
- Supporting base build, retrofit, and tool install projects in a high-tech cleanroom environment.
- Collaborating with clients and multidisciplinary teams to meet quality and safety standards.
- Gaining hands-on experience in electrical and instrumentation systems.

**Control Engineer Intern – Abbott** Jun. 2025 - Aug. 2025

Cootehill, Co. Cavan – Nutrition Manufacturing

- Supported SCADA upgrades and PLC logic troubleshooting across baby formula production lines.
- Assisted with alarm optimisation and HMI interface updates to improve operator usability.
- Exposed to GMP and compliance standards in a regulated manufacturing environment

**OpEx Engineering Intern – Medtronic** Jan. 2024 - Aug. 2024

Athlone, Co. Westmeath – Medical Device Manufacturing

- Developed Power BI dashboards using Excel, Access, and Ignition to visualise production metrics.
- Used data analytics to identify root causes of downtime and supported corrective actions.
- Applied Lean Six Sigma and DMAIC methodologies to drive process improvements.

**Forklift Driver / Sales Assistant – Topline Mullingar Hardware** Nov. 2018 - Dec. 2023

Mullingar, Co. Westmeath – Retail & Trade Supplies

## Education

---

**BEng (Hons) in Automation and Robotics** Sep. 2021 – Apr. 2025

Technological University of the Shannon (TUS), Athlone

- Grade: 2.1
- Extracurriculars: Chair of TUS Engineering Society (2024/25).  
RUN-EU Student Council representing TUS internationally.

## Projects

---

**Final Year Project / Thesis – Technological University of the Shannon (TUS)**

An Automated Catheter Production Line with SCADA Integration for the Medical Device Industry

Grade: 1.1 (85%)

- Designed a simulated automated catheter manufacturing line using UR5e robot, Siemens S7-1500 PLC, Cognex vision system, RoboDK, and Power BI.
- Project link: [Darragh McLoughlin | Linktree](#)

## Skills

---

AutoCAD | Bluebeam | P&IDs | Siemens PLC | SCADA | HMI | UR5e Robot | Cognex Vision | Power BI | Ignition  
| Python | Lean Six Sigma | GMP | Client Interaction | Troubleshooting | Documentation

## Certifications & Affiliations

- 
- Lean Six Sigma Yellow Belt – Medtronic
  - Essential Skills for Medical Device Manufacturing – Innopharma Education, Griffith College Dublin
  - Member – Engineers Ireland