Lewis Naylor

Greater Manchester Area, United Kingdom

www.linkedin.com/in/lewisdn | lew-nay.github.io/lew-nay

Experience

Modern Engineering Graduate

Accenture   *Starting Jan. 2026*

In this role I will be working on designing, building and deploying cloud-native applications, automation tools or enterprise software, using modern engineering practices and collaborating with cross-functional teams. My work will span application development, DevOps/cloud infrastructure, and scalable system delivery for clients across diverse industries.

Visitor

University of Manchester   *Sept. 2025 - Oct. 2025*

Continuation of my MSc research project as part of Team CRADLE, working on the automation of the excavator and sensor integration for the 2025 ESA Space Resources Challenge.

Member of the control team that deployed the system in the ESA Luna Facility at the ESA Astronaut Centre in Cologne, Germany.

CRADLE's press release of the entry: https://cradlerobotics.co.uk/cradle-at-esa-src/

Education

The University of Manchester

MSc, Robotics   *Sept. 2024 – Sept. 2025*

Grade: Merit

Research Project: Automated Sample Collection for a Planetary Rover

My research project was part of the Team CRADLE entrants into the ESA Space Resources Challenge. My work focused on sensor integration and control of the excavator via creation of a custom inverse kinematics controller.

Modules:
- Autonomous Mobile Robots
- Cognitive Robotics and Computer Vision
- Foundations of Machine Learning
- Robotic Manipulators
- Robotic Systems
- Robotic System Design Project
- Software for Robotics

The University of Salford

BSc (Hons), Physics   *Sept. 2021 – July 2024*

Grade: First Class Honours

Final Year Project: An Investigation Into Gallium Lanthanum Sulfide as a Solid-state Electrolyte

Presented my final year project to prospective students at multiple open day events.

Optional Modules Taken:
- Astrophysics and Planetary Physics
- Computational Physics
- Group Project

Projects

Raincloud | www.myraincloud.co.uk

June 2024 - Present

- Github contributor to Raincloud, a cross-platform synchronisation tool, focusing on mobile development.
- TypeScript and React.js

Moosic | www.github.com/lew-nay/Moosic

June 2023 - Oct. 2023

- Created own Discord-based music bot for personal use due to mainstream options ending service
- Can stream music from Spotify, YouTube and SoundCloud
- TypeScript

Skills

Soft Skills:
- Communication
- Customer Service
- Leadership
- Presentations
- Problem Solving
- Report Writing
- Research
- Teamwork

Technical Skills:
- C++
- Data Analysis
- JavaScript
- Linux
- Mathematics
- MatLab
- Python
- React.js
- ROS2
- TypeScript