

Nyan Lin Naing

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Education

Newcastle University & Sunderland University

Newcastle Upon Tyne, UK

BEng Mechanical Engineering | MSc Computer Science | MSc Applied Data Science (Placement)

Class of 2027

MSc Computer Science: Merit | MSc Applied Data Science: Expected Distinction

Professional Experience

Norman Manged Services

Newcastle Upon Tyne, UK

Service Desk Analyst

September 2025 — November 2025

- Supported staff and students across 48 UK universities during out-of-hours, handling high-volume identity/access requests.
- Performed password resets and MFA resets, verifying user identity and following security procedures.

Projects

Customer Data ETL Pipeline — Python, Pony ORM, MySQL

- Built an ETL pipeline to unify customer data from multiple file formats into a single relational database.
- Implemented data cleaning, type conversion and de-duplication using a composite business key to distinguish individuals.
- Parsed unstructured TXT messages with regex to apply business-rule updates to salaries, pensions, card details and ages.

Nearby Restaurant Finder (Team of 8) — React, MUI, Java, Spring Boot, MySQL

- Built a web app to display nearby restaurants within a 1-mile radius with search and filtering.
- Implemented REST API endpoints and integrated them with a React front end.
- Designed database schema and wrote queries to support restaurant discovery features.

International Food Festival Booking System — MySQL, SQL

- Designed and implemented a relational database for bookings, venues, and operational logistics.
- Built optimized SQL queries to support booking lookups and reporting.

Foreign Language Learning Website — HTML, CSS, JavaScript, PHP, MySQL

- Developed a learning platform with translation and text-to-speech features plus interactive mini-games.
- Tested with 20 users and iterated the UI/flow based on feedback.

Plastic Footprint Calculator — HTML, CSS, JavaScript

- Built a category-based calculator covering 10+ plastic usage areas and displayed results clearly for users.

CGM + Wearables Data Analysis for Type 2 Diabetes Prevention — R

- Selected a dataset using CGM time-series and wearable step-count/activity data, focusing on early risk signals for Type 2 diabetes.
- Performed preprocessing + data fusion (cleaning, handling missingness, resampling/alignment) and engineered features for analysis in R.
- Applied and compared analytical techniques (statistics + ML models) and produced plots/tables with clear written interpretation in a structured report.

Technical Skills

Languages: Java, JavaScript, Typescript, HTML/CSS, Python, R

Technologies: Spring, React/Redux, Jest, Playwright, Node.js, Angular, Karma, AWS, Git, PostgreSQL, ELK, RStudio