

Ye Lin Naing (Leo)

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Summary

Computing graduate from Northumbria University focused on data analysis, with experience analysing a 65 million row dataset to find clear, useful insights. Seeking data roles in the UK.

Education

Northumbria University, BSc (Hons) in Computing – Newcastle, UK Sept 2025 – June 2026

- Grade: Graduated with **First-Class Honours (1st)**, achieving a final mark of **72%**.
- Core Modules: Big Data, Data Security and Governance, Computing Group Project, Computing Project Proposal and Practical, and Contemporary Methods of Software Development.

YOUTH International College, HND in Computing – Yangon, Myanmar Nov 2022 – June 2025

- Grade: Achieved HND Distinction in all modules, broadly equivalent to a First-Class Honours (1st).
- Core Modules: Database Design & Development, Business Process Support, Machine Learning, Cloud Computing, Software Development Lifecycles, Internet of Things, Computing Research Project, etc.
- Awards: Won **First Prize** at the YIC IoT Project Contest 2025 with “**IoT-Based Livestock Management System**” project.

Projects

UK Police Crime Big Data Analysis May 2026

- Processed and analysed a **65** million UK crime records using **Apache Spark** on **Microsoft Azure**, completing filtering and joins in minutes.
- Built a **SARMIA** time series forecast in Python and visualised it with **Matplotlib** to test burglary trends, showing a **50%** fall from **2011** to **2021** and disproving the claim that burglary is rising.
- Joined crime data with ONS population data in **Spark** to rank firearms incidents per **100,000** people, presenting the results in a ranked chart that placed Liverpool **4th** rather than highest.
- Applied **Spark MLlib** correlation and regression to confirm a strong link between drug and firearms crime (**Pearson 0.91**), shown with a regression scatterplot.

World Life Expectancy Data Analytics Feb 2026

- Analysed a global health and economic dataset (**2,941** records, **193** countries, **2007** to **2022**) using **SQL** to clean the data and answer key questions on life expectancy.
- Cleaned the raw data using the **ROW_NUMBER** window function to find and remove duplicate records, and **self-joins** to fill **missing values**, including **estimating gaps** in life expectancy from the surrounding years.
- Wrote exploratory queries using **JOINS**, **CTEs**, **CASE** statements, and **aggregate functions** to answer several analytical questions on life expectancy trends.
- Used the **LAG** window function to track year on year changes, spotting sudden drops such as the 2020 fall that lined up with COVID-19.
- Found that higher GDP links to longer life expectancy up to a point, after which healthcare and education matter more, and turned each result into a plain language insight.

Work Experience

- Crew Member**, McDonald's – Blaydon, Gateshead Nov 2025 – Present
- Served customers across drive-thru, dine-in and delivery simultaneously in a consistently high-volume environment, working **18** hours per week.
 - Prepared food accurately and maintained workspace cleanliness, following food safety and hygiene standards across every shift for 8 months.
 - Collaborated with a team of **8-10** staff during peak hours, supporting multiple stations and adapting quickly to change priorities.
 - Proactively restocked supplies and maintained clean workstations to ensure a safe and welcoming environment at all times.

- Graphic Designer**, YOUTH Student Activities Team – Yangon, Myanmar Dec 2024 – Apr 2025
- Designed posters, social media posts, banners, and flyers for student events using **Canva**, supporting the full event promotion cycle.
 - Created visual content that received **100+ reactions and 30+ shares**, increasing student awareness and participation.
 - Worked closely with a team to deliver designs on time, making sure all content matched the event theme and message.

Skills

- **Language:** English (Conversational), Burmese (Native)
- **Technical Skills:** SQL, Python, Power BI, Tableau, Excel
- **Tools & Platforms:** Apache Spark, Microsoft Azure, Jupyter Notebook, Git, GitHub, VS Code
- **Microsoft Office:** Word, PowerPoint, Outlook, Teams

Certificates

- Google Data Analytics Professional Certificate (Coursera) - Feb 2025
- Marketing Analytics Foundation Certificate (Coursera) - Jun 2024
- Introduction to Big Data Certificate (Coursera) - Apr 2024

Extracurricular Activities

- Volunteering Myanmar Traditional Events Certificate – Yangon, Myanmar**
- Demonstrated strong teamwork and collaboration during event coordination.
 - Gained experience in organizing cultural activities and supporting event operations.
 - Improved communication skills through interaction and participants and organisers.
 - Developed time-management and problem-solving skills in a fast-paced environment.

References

Available Upon Request