Ciara-Lyn K. Lee

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Education

M.S. Biomedical Informatics: Health Data Science and Artificial Intelligence
University of Texas Health Science Center at Houston – Houston, TX
B.S. Exercise Science & Pre-Health Professions
Creighton University – Omaha, NE

Professional Experience

Data Visualization Intern *UTHealth Houston School of Dentistry – Houston, TX*   **May 2025 – Aug. 2025**
• Design and develop Power BI dashboards for the UTHealth Houston School of Dentistry's Texas Center for Oral Healthcare Quality and Safety to assess documentation completeness and compliance with quality-of-care metrics using EHR data, supporting quality assurance initiatives.

PT/OT Technician *Houston Methodist Hospital – Houston, TX*   **May 2022 – Sept. 2024**
• Extracted and analyzed EHR data to track patient scheduling, visit completion, and unassigned cases for daily PT/OT production reports, supporting data-driven decision-making and enhancing operational efficiency within the department.

Studio Manager *Mōtiv Fitness – Houston, TX*   **Nov. 2020 – June 2022**
• Led recruitment and onboarding of new staff, developed and managed schedules to optimize staffing needs, and promoted membership sales. Applied project management skills to streamline operational processes, coordinate team workflows, and ensure timely task completion. Successfully resolved client inquiries and implemented strategic improvements, fostering a welcoming and efficient environment for both members and staff.

Physical Therapy Aide *Memorial Hermann – Houston, TX*   **May 2021 – May 2022**
• Facilitated patient rehabilitation exercises and functional activities, conducted wound care assessments, and managed documentation processes to optimize patient care. Demonstrated strong attention to client needs, contributing to operational efficiency and a high standard of patient experience.

Certifications

Basic Life Support *American Heart Association*	**July 2024 – July 2026**
Group 1 Biomedical Researchers and Key Personnel *CITI Program*	**Oct. 2024 – Oct. 2027**
Group 2 Social and Behavioral Researchers and Key Personnel *CITI Program*	**May 2025 – May 2028**
Data Acquisition Management *CITI Program*	
Microsoft Data Visualization Professional Certificate *Coursera*	

LinkedIn Learning: Python Essential Training, Python Data Structures and Algorithms, Python: Recursion, Programming Foundations: Fundamentals, Pandas Essential Training, Power BI Data Methods, Learning Power BI Desktop, Creating Interactive Tableau Dashboards, Hands-On Introduction: Java, AI-Drive Project Manager, Introducing Jupyter, Learning Data Analytics, SQL for Data Analysis, SQL: Data Reporting & Analysis

Skills

• SQL	• Swimlane & Yourdon Diagrams	• Pandas, PySpark, Java, MongoDB, Power BI
• Python	• Excel, VLOOKUP, Pivot Tables	• Data Science, Data Analysis, Data Mapping
• Tableau	• Machine Learning (ML)	• Project Management
• R/R Studio	• Artificial Intelligence (AI)	• Client Support and Consulting
• LucidChart	• Large Language Models (LLMs)	• Customer-Focused Problem Solving