# LYTHE ELHULU

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Github | Portfolio Website: https://lelhulu.github.io/lytheelhulu/

## EDUCATION

**University of North Carolina at Charlotte**                    **Charlotte, NC (Aug 2023 - May 2025)**
*Master's in Science in Computer Science*                                              **3.50/4 G.P.A**
- **Relevant Courses:** Algorithm & Data Structures, Visual Analytics, Database Systems, Human-Centered Design

**University of North Carolina at Charlotte**                    **Charlotte, NC (Aug 2018 - May 2022)**
*Bachelor's of Science in Computer Science*                                            **3.65/4 G.P.A**

## PROFESSIONAL EXPERIENCE

**Fintech Processing,** Charlotte, NC                                          **Aug 2024 - Present**
*Software engineer Intern (Jan 2025 - Present) | IT specialist Intern (Aug 2024 - Jan 2025)*
- Deployed a **fully automated lead generation system** by integrating **Zapier** with the company website and **IRIS CRM**, eliminating manual data entry and accelerating customer onboarding.
- Designed and maintained the **company website** using **HTML,** and **JavaScript**, ensuring seamless updates and improved user experience.
- Streamlined **POS system setups** by configuring printer drivers, scanner programming, and importing/exporting databases for **CRE (Cash Register Express)**.
- **Optimized data workflows** by cleaning and formatting datasets in **Excel**, reducing errors and ensuring smooth POS software integration.
- **Automated manual workflows**, reducing lead processing time and minimizing human errors, leading to improved operational efficiency.

**Prestige,** Charlotte, NC                                                   **Mar 2021 - Jun 2024**
*Product and Data Analyst -* (Mar 2021 - Jun 2024)
- **Developed a data-driven sales strategy**, analyzing website traffic and user purchase behavior to anticipate trends and optimize product offerings.
- **Engineered a cost-reduction model**, leveraging sales data analysis to compose a store budget that reduced operational costs by 8%.
- D**esigned and implemented predictive analytics models**, surpassing annual sales projections by $100,000 in the first year through data-driven insights and strategic decision-making.

## SKILL

- **Programming Languages:** Java, C++, JavaScript, HTML, CSS, Python, SQL
- **Version Control:** Git, GitHub
- **Data Analytics & Visualization:** Tableau, Power BI, Qlik, Microsoft Excel, Pandas, NumPy, Matplotlib
- **Cloud Computing:** AWS (EC2, S3, Athena, Kinesis, Redshift), Microsoft Azure, Azure CosmosDB
- **Web & Frameworks:** Node.js, Flask, Figma, JSON
- **Project Management & Methodologies:** Agile, Kanban, Jira, Confluence, Microsoft Dynamics 365, Power Automate, Object Oriented Programming

## PROJECTS

**XALAS - AI-Driven Financial Analysis Assistant**:
- **Delivered actionable insights 10x faster** by automating real-time extraction of metrics like revenue growth and profit margins from earnings call data of major firms (e.g., Lincoln Financial, Fidelity) using **OpenAI's Assistant API**.
- **Processed over 5,000 queries per second** through a scalable backend hosted on **Replit**, providing seamless financial analysis via a **Voiceflow-powered natural language interface** with multi-threaded memory.
- **Enhanced enterprise reporting capabilities** by integrating Xalas with datasets containing millions of records, enabling instant, AI-driven financial comparisons and trend analysis using **OpenAI-powered processing**.

**Product Designer – iWallet**: link
- **Led application flow design** and contributed to feature development for a **digital wallet prototype** that securely stores all card types, including IDs, membership cards, and tap-to-pay cards.
- **Designed and prototyped the UI/UX** in **Figma**, ensuring an intuitive and user-friendly experience.
- **Conducted user research** by gathering feedback from students and implemented improvements, including a **Change PIN** function for enhanced security.
- **Developed scanning and manual card entry functionality**, allowing users to seamlessly add various card types.
- **Presented the final prototype** as part of a class project, demonstrating usability and functionality.

## CERTIFICATION

**Amazon Web Services: AWS Academy Data Engineering:** Certificate

## ACHIEVEMENTS & CAMPUS INVOLVEMENT

- **Runner-up** at **Hack CLT Hackathon** for "Xalas," an AI financial assistant leveraging OpenAI's API for real-time earnings call analysis.
- Led **operations and logistics** for two **high-traffic** Shell gas stations in Charlotte, NC, managing all **business functions, inventory, and financial performance** while overseeing a team of **17 employees** to **optimize efficiency, streamline processes, and enhance customer service standards.**