

Charles Nana Kwakye

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Education

THOMAS MORE UNIVERSITY

Applied Computer Science, Artificial Intelligence

Geel, Belgium

Present

Experience

VRT internship

Brussels, Belgium

Artificial Intelligence

January 2024 – May 2024

- Conducted an in-depth feasibility study on leveraging advanced large language models (LLMs) for automating the generation of DBT (Data Build Tool) documentation, addressing VRT's undocumented DBT codebase
- Collaborated with data engineers to iteratively refine my solution, I then integrated this feedback to enhance the accuracy and usability of the generated documentation.
- Utilized advanced NLP techniques and tools, such as transformer architectures, embeddings and tokenization, to optimize the model's output and relevance to VRT's dbt documentation.

Bleckman

Grobendonk, Belgium

Order Picker

Nov 2021 – Present

- As an order picker at Bleckmann, I was responsible for receiving and processing incoming orders, ensuring their accuracy and completeness. I also had to meet the productivity requirements which is above 140 orders every two hours, as measured by a productivity measuring tool.
- I utilized a scanner system to locate and pick the required items according to the provided order list. I ensured that the items were picked accurately and efficiently, meeting the productivity requirements.
- With patience and attention to detail, I trained two new workers on how to use the scanner system and pick orders accurately.

Cybercity iCafe

Konongo, Ghana

Personal Assistant

June 2017 – March 2018

- I helped students who were less familiar with the internet and computer applications to navigate and utilize these tools effectively. This included teaching them how to browse the web, use email, and other essential computer skills.
- I used a token generator to create voucher tokens that were sold to customers. These tokens allowed access to internet.
- I helped customers with software-related issues, such as installing antivirus software and performing operating system installations. I ensured that their computers were running smoothly and securely.

Projects

Data Modelling

- Worked together with three other students to model an Entity Relationship Diagram (ERD) for a Laravel application designed to help a private household schedule tasks and manage their documents and invoices.
- Analyzed and interpreted the requirements provided by three teachers to create an accurate and comprehensive ERD. This involved understanding the needs of the client and translating them into a functional design screen using Axure RP.
- Created use cases and screens as part of the analysis and design process. These artifacts helped visualize the functionality and user interface of the application. The use cases provided a detailed understanding of how the application would be used, while the screens showcased the visual design.

Data Visualization (Project presentation - [Data Visualization Project Video Presentation](#))

- Utilized Qlik Sense to create the well-organized dashboard of football match data, telling a compelling story through the use of advanced chart types.
- Demonstrated proficiency in set analysis to identify key trends and patterns in the data.
- Created visually appealing and informative visualizations that effectively communicated the insights

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gained from the data.

NB: Other projects can be found on my portfolio at <https://portfolio.charlesnanakwakye.be>

Skills & Interests

Technical: Machine Learning, Large Language Models, Data Engineering, Full Stack development, Data Visualization etc.

Language: English (Advanced), Twi (Native) and Dutch(Beginner)

Currently Studying: Business Process and Intelligence