

# NEDU EKERUCHE

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[Email](#) ♦ [Linkedin](#) ♦ [Github](#) ♦ [Website](#)

## SKILLS

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Languages & Software	Python, Go, MATLAB, SAS, SPSS, Excel, Docker
Libraries & Frameworks	PySpark, TensorFlow, Pytorch, FastAPI, Scikit-learn
Cloud Technologies	Vertex AI, Dataflow, BigQuery, RabbitMQ
Databases	PostgreSQL, MySQL, Redis, MongoDB, Pinecone

## WORK EXPERIENCE

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Sales associate	Jun 2021 - Aug 2022
Salvation Army	Ottawa, ON
<ul style="list-style-type: none"><li>Enhanced the end-of-day reporting system using Excel macros to automate and streamline the reporting process, resulting in a 50% decrease in closing time.</li><li>Managed the store's daily operations as a cashier and backroom associate, including donation receiving, processing, and pricing.</li><li>Supervised the opening and closing of the store, ensuring a smooth transition between shifts and maintaining security protocols.</li></ul>	

## PROJECTS

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Soccer Data Analysis & Predictive Modeling	<i>Python, TypeScript, React, BigQuery, GCS, Airflow, Scikit-learn</i>
<ul style="list-style-type: none"><li>Conducted in-depth analysis of soccer data spanning over 10 leagues, utilizing statistical models to predict match outcomes and evaluate player performances.</li><li>Created a robust python library to fetch extensive stats for players, teams, and leagues.</li><li>Utilized TensorFlow data validation to monitor data for training/serve skew and schema correctness.</li><li>Orchestrated CI/CD pipelines using cloud composer and cloud build for continuous model development and to run batch predictions.</li><li>Designed a website to display the predictions with React &amp; TypeScript and BigQuery.</li></ul>	
Quiz Generation using LLMs	<i>Python, Huggingface, React, TypeScript, MongoDB</i>
<ul style="list-style-type: none"><li>Engineered a sophisticated quiz generation platform that allows users to effortlessly create quizzes from prompts, textual content, or PDF files through advanced Natural Language Processing techniques.</li><li>Implemented a multi-stage process where the input text goes through summarization, keyword extraction, question generation and multiple-choice answer generations which all leverage Language Models.</li><li>Integrated advanced data processing techniques for parsing prompts, text, and PDF files.</li><li>Designed a seamless user experience with a React and TypeScript front-end, complemented by a MongoDB backend for robust data management.</li></ul>	

## EDUCATION

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Bachelor of Mathematics and Statistics, Carleton University	July 2023
Relevant Coursework: Algorithm Design & Analysis, Linear Programming, Regression Analysis	

## CERTIFICATIONS AND TRAINING

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Google Professional Machine Learning Engineer	July 2023
Google TensorFlow Developer	Sept 2022