

NEDU EKERUCHE

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

SKILLS

| | |
|------------------------|---|
| 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">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.Managed the store's daily operations as a cashier and backroom associate, including donation receiving, processing, and pricing.Supervised the opening and closing of the store, ensuring a smooth transition between shifts and maintaining security protocols. | |

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">Conducted in-depth analysis of soccer data spanning over 10 leagues, utilizing statistical models to predict match outcomes and evaluate player performances.Created a robust python library to fetch extensive stats for players, teams, and leagues.Utilized TensorFlow data validation to monitor data for training/serve skew and schema correctness.Orchestrated CI/CD pipelines using cloud composer and cloud build for continuous model development and to run batch predictions.Designed a website to display the predictions with React & TypeScript and BigQuery. | |
| Quiz Generation using LLMs | <i>Python, Huggingface, React, TypeScript, MongoDB</i> |
| <ul style="list-style-type: none">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.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.Integrated advanced data processing techniques for parsing prompts, text, and PDF files.Designed a seamless user experience with a React and TypeScript front-end, complemented by a MongoDB backend for robust data management. | |

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 |