

Nedu Ekeruche

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EDUCATION

Carleton University

Bachelors of Mathematics and Statistics

Ottawa, ON

Sept 2018 - June 2023

TECHNICAL SKILLS

Programming Languages: Python, Go, Dart, TypeScript

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, Flutter, NextJS, Git, Docker

Cloud Technologies: MongoDB, S3, App Engine, Compute Engine, Lambda, Airflow

WORK EXPERIENCE

Software Developer

SevenDot Analytics

Apr 2024 - current

- Developed robust data extraction pipelines utilizing Python and Selenium to gather and process sports analytics data, ensuring accurate and timely data collection for predictive models
- Integrated various sports data APIs, enhancing the breadth and depth of available statistics, and seamlessly stored the data in PostgreSQL databases to support complex analytical queries.
- Implemented comprehensive testing frameworks, writing extensive unit and integration tests to ensure reliability and performance of backend systems, significantly reducing system downtime and errors.

Freelance Software Developer

Fluffyknots

Jun 2023 - July 2023

- Developed a comprehensive e-commerce platform for a small crochet business, enabling online product browsing, ordering, and customizations.
- Implemented custom order management features, allowing customers to submit personalized requests and facilitating seamless communication between the business and its clients.
- Collaborated with clients, translating business needs into technical specifications and delivering high-quality data solutions on time and within budget.

Freelance Software Developer

Urbanova

Apr 2023 - Jun 2023

- Developed a robust real estate application tailored for an international market, incorporating comprehensive property search, listing management, interactive maps, location scoring, and user authentication features.
- Conducted thorough testing and debugging, ensuring the application was reliable, secure, and free of critical issues before deployment.
- Collaborated closely with the client, translating their vision and requirements into technical specifications and a functional, market-ready product.

PROJECTS

- **OC Transpo Analysis**, Utilized GTFS data to create a dashboard visualizing and analyzing every bus route in Ottawa. Developed with Python, Streamlit, Folium, and Altair.
- **Quiz Generator**, Built a quiz generation platform that allows users to effortlessly create quizzes from prompts, textual content, or PDF files using Transformers. Built with NextJS, FastAPI and TypeScript.
- **Everything Chelsea**, Conducted in-depth analysis of Chelsea FC soccer data spanning over 20 seasons, utilizing statistical models to predict match outcomes and evaluate player performances. Built with NextJS, FastAPI, TypeScript and PostgreSQL.
- **Trade Simulator**, Developed an app enabling users to buy/sell stocks, open various account types, and trade using virtual currency. Implemented a competitive lobby feature where users compete to earn the most money within a set time frame. Built with Flutter, Go, and Python.

CERTIFICATIONS

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