Xxxx Yyyyy

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# Technical Skills

**SOFTWARE DEVELOPMENT:** Python | JavaScript | Node.js | React.js | MongoDB | MySQL | Microservices (Docker) | Flask | UML | Algorithms | Data Structures | Jest

**DATA SCIENCE & MACHINE LEARNING:** Supervised Learning (Regression | Classification |Scikit-Learn) | Distributed Computing (PySpark) | Natural Language Processing (spaCy) | Deep Learning/Neural Networks (TensorFlow | Keras) | Unsupervised Learning (Clustering | Dimensionality Reduction | Anomaly Detection) | Data Processing & Visualization (Tableau | Matplotlib | Google Data Studio | Altair) | Data Mining | Big Data Life Cycle | Hadoop | Google Big Query | Computer Vision & Image Processing

# Education

**MSc in Data Science** | Graduate Center, City University of New York, NY | GPA: 4.00/4.00 | Expected: May 2023

**BSc in Computer Science** | University of Tirana, Albania

# Data Science Experience

**CITY UNIVERSITY OF NEW YORK Sep 2021 – Present**

**Data Science Student**

* MERN project for [Insurance Management System](https://dajanamuho-streamlit-website-apps-about-me-tw1apg.streamlitapp.com/Data_Science_Projects) supported by Machine Learning algorithms to predict customer behavior and help insurance companies by analyzing and measuring risks.
  + Used machine learning tools to select features, create and optimize classifiers on a large dataset (~ 5GB).
  + Increased profit margin by 28% by successfully tuning model parameters.
  + Designed and developed reusable REST API models to consume data from and push data into MongoDB and Big Query. Saved the relevant information in the Redis cache to increase the response time.
  + Deployed the web application onto the Google Cloud Platform and used Google Kubernetes Engine (GKE) to manage clusters and implemented autoscaling conditions to accommodate traffic variance.
* [Used NLP technologies and cognitive machine learning to develop the chatbot application Robo-Chat](https://dajanamuho-streamlit-website-apps-about-me-tw1apg.streamlitapp.com/Data_Science_Projects).
  + Enhanced user effectiveness of chatbot with the help of Deep Learning (Neural Networks).
  + Identified, analyzed, and interpreted the pattern, trends, and data coming from the chatbot conversations by reducing nearly 60% of the time which customers need to spend searching.
* Built a [Sentiment Analysis](https://dajanamuho-streamlit-website-apps-about-me-tw1apg.streamlitapp.com/Data_Science_Projects) model to help the education system identify the best learning approach.
  + Developed text analytics models that extracted meaning from unstructured data (~ 300k) found on Twitter.
  + Identified subjectivity and polarity for each tweet, and improved accuracy by 45%.
* Improved the efficiency of healthcare services by implementing [Hospital Readmission Prediction](https://dajanamuho-streamlit-website-apps-about-me-tw1apg.streamlitapp.com/Data_Science_Projects) to predict if the patient will be readmitted to the hospital.
  + Worked on data cleaning and ensured data quality, consistency, uniformity, and integrity using NumPy | Pandas.
  + Devised and utilized algorithms and models to mine big data stores, performed data and error analysis to improve models with 91% accuracy.
* [Data Visualization](https://dajanamuho-streamlit-website-apps-about-me-tw1apg.streamlitapp.com/Data_Science_Projects) of the US immigrants’ trends by using Tableau and Python libraries.

# AIRFIND Aug 2020 – Aug 2021

**Full Stack Software Engineer**

* Built, tested, and deployed scalable, highly available, and modular software products using Node.js, Next.js, and React.
* Modularized old code to modern development standards, reducing operating costs and improving functionality.
* Integrated and worked on a microservice environment using Docker and implemented RabbitMQ message queuing.
* Designed big-data infrastructures using MongoDB and Big Query.

**KREATX Feb 2019 – May 2021**

**Full Stack Software Developer**

* Developed a Low-Code Platform using Node.js by enabling accelerated delivery of business applications.
* Ensured application security and ability to interact with multiple APIs and databases.
* Conducted unit and integration tests using Jest to ensure the quality of code and reduce system failures by 75%.