Jonathan Jostar

NLP (Natural Language Processing) Engineer

WORK EXPERIENCE

Resume Worded, London, United Kingdom

Robotics company with 50+ employees and $100m+ annual revenue

NLP (Natural Language Processing) Engineer   01/2021– Present

- Designed a machine learning model to predict the churn rate among 10K customers based on historical data; reduced churn rate by 71% in the first week of implementation.
- Trained an encoder/decoder grammar error correction model using synthetic data methods; outperformed open-source baseline by 92%.
- Initiated a character-based transformer spelling correction model using Triton and ONNX; reduced inference latencies below 178ms at 35 req/s.
- Developed an NLP system that automatically classified 7.5K emails as spam or advertising mail using 11+ natural language processing methods.

Polyhire, London, United Kingdom

NYSE-listed aerospace and defense technology corporation

Robotics Engineer   10/2019 – 12/2021

- Developed an advanced prototype co-processor chip that makes old devices operate 90% faster.
- Created a program for mapping 30+ underwater vehicles capable of performing tasks on different terrains.
- Re-designed a new motion planning algorithm for 21+ mobile robotic manipulators; eliminated 67% of arm collisions and improved speed.
- Designed a robot that picks up objects in 32+ orientations using only overhead lighting as guidance without falling off.

Growthsi, London, United Kingdom & Barcelona, Spain

Career training and membership SaaS with 150,000 users

SQL Programmer   11/2018 – 09/2019

- Designed an open-source SQL parser that includes parsing trees, syntax analysis, and run-time error detection; attracted 740+ downloads daily on GitHub.
- Upgraded 11+ server applications that provided transaction processing functionality to handle 2400+ simultaneous client requests.
- Created queries and shell scripts to produce files transferred to the cloud for 40+ field management teams, enabling them to view weekly performance data on their mobile devices.
- Developed a software component that uses a single screen to provide 19+ views of configuration properties related to customer orders.

PREVIOUS EXPERIENCE

IT Support Engineer, ABC Company, London, UK   06/2017– 10/2018
Software Developer, XYZ Company, New York, USA   01/2016– 05/2017
Vmware Administrator (Internship), ABC, New York,USA   07/2014 – 12/2015

CONTACT

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SKILLS

Hard Skills:
- Distributed Computing
- Java Programming
- Deep Learning
- Data Mining
- E-Commerce
- Natural Language Processing

Techniques:
- Computer Vision
- Information Retrieval
- Software Development

Tools and Software:
- Hadoop
- Python
- R
- Apache Spark

Languages:
- English (Native)
- Romanian (Native)
- Spanish (Conversational)

EDUCATION

University of New York
Bachelor of Science
Mathematics & Statistics
New York City, New York
10/2011 - 06/2014

OTHER

- Certified NLP Coach
- Neuro-Linguistic Programming (NLP) Master Practitioner