Ronan Brooks

AI developer

Innovative and results-driven AI specialist with comprehensive experience in machine learning, deep learning, and data science. Proficient in Python, TensorFlow, and cloud computing, with a strong foundation in mathematics and statistics. Adept at solving complex problems, developing scalable AI solutions, and communicating technical concepts to non-technical stakeholders. Seeking a challenging role to leverage my expertise in advancing AI technology and contributing to innovative projects that drive organizational success.

Email: softking0503@gmail.com
Date of birth: May 3, 1994
Nationality: American
Link: inkedin.com/Ronan

Experience

Feb 2015 - June 2017

AI expert
Quantum Minds AI   Seattle, Washington

- Lead development of AI systems for natural language processing applications.
- Implemented machine learning algorithms for computer vision projects.
- Built deep learning models for predictive analytics in financial industry.
- Designed chatbot applications leveraging sentiment analysis and reinforcement learning techniques.

July 2017 - Jun 2019 August

ML engineer
Neural Nexus Technologies   Austin, Texas

- Developed and implemented machine learning models for fraud detection in financial systems.
- Optimized natural language processing algorithms for sentiment analysis in customer reviews.
- Collaborated with cross-functional teams to deploy machine learning solutions to improve business processes.

Sep 2019 - June 2021

DL engineer
CerebraTech Innovations   Boston, Massachusetts

- Developed deep learning models for image classification using Python and TensorFlow.
- Applied transfer learning techniques to improve model performance on limited data.
- Collaborated with cross-functional teams to deploy models into production environments.

Education

July 2021 – Sep 2023 Oct

Bachelor of Deep Learning
Stanford University   Stanford, CA 94305

Languages

English
Advanced. Machine Learning by Andrew Ng (Stanford University)

Skills

| Programming Languages : Python, R so on | ML , DL algorithms dev& model training | Mathematics and Statistics | Natural Language Processing |

Projects

Projects:

AI-Powered Customer Support Chatbot

Description: Developed a chatbot using NLP techniques to automate customer support for a retail company.
Technologies Used: Python, TensorFlow, Keras, NLTK, Flask
Key Achievements: Reduced customer response time by 60%, handled 70% of customer queries without human intervention.
Predictive Maintenance System

Created a machine learning model to predict equipment failures in a manufacturing plant.
Technologies Used: Python, Scikit-learn, Pandas, AWS
Key Achievements: Increased equipment uptime by 25%, saved $500,000 in maintenance costs annually.
Image Recognition for Medical Diagnosis

Built a deep learning model to classify medical images for early disease detection.
Technologies Used: Python, TensorFlow, OpenCV, Jupyter Notebook
Key Achievements: Achieved 92% accuracy in disease classification, accelerated diagnosis process for radiologists.
Recommendation Engine for E-commerce Platform

Developed a recommendation system to enhance the shopping experience for users.
Technologies Used: Python, Spark, Collaborative Filtering, Matrix Factorization
Key Achievements: Increased user engagement by 40%, boosted sales by 15%.
Autonomous Driving Simulation

Implemented a reinforcement learning model for a self-driving car simulation.
Technologies Used: Python, TensorFlow, OpenAI Gym, ROS (Robot Operating System)
Key Achievements: Trained the model to navigate complex environments with a 90% success rate.
Sentiment Analysis Tool for Social Media

Achievements

Best Paper Award at AI Conference 2023

Recognized for innovative research on reinforcement learning algorithms at the International Conference on Artificial Intelligence.
Developed Award-Winning AI Model

Co-inventor of a patented machine learning algorithm designed to optimize energy consumption in smart grids.
Employee of the Year

Published several research papers in top-tier AI journals, contributing to advancements in natural language processing and computer vision.
Guest Speaker at Industry Events

Invited to speak at multiple industry events and conferences, sharing expertise on AI trends and technologies.
Certification in AI and Machine Learning

Certifications & Courses

Certified Machine Learning Specialist

Issued by: Coursera (deeplearning.ai)
Description: Completed the Machine Learning Specialization, covering supervised and unsupervised learning, best practices, and deep learning techniques. TensorFlow Developer Certificate

Issued by: Google
Description: Proved proficiency in building and deploying machine learning models using TensorFlow.
Professional Data Engineer

Issued by: Google Cloud
Description: Certified ability to design, build, and operationalize data processing systems and machine learning models on Google Cloud Platform.

Honors & Awards

Best Paper Award at AI Conference 2023

Awarded for outstanding research on reinforcement learning algorithms at the International Conference on Artificial Intelligence.

Publications

"Scalable AI Models for Big Data Analytics"
Presented at: NeurIPS (Conference on Neural Information Processing Systems)
Year: 2023
"Innovative Applications of AI in Healthcare"
Presented at: AAAI Conference on Artificial Intelligence
Year: 2022

References

Dr. Jane Smith

Position: Professor of Computer Science
Company: Stanford University
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Relationship: Academic Advisor
Mr. John Doe