

ALEX CLIFTON - Data Scientist / Fullstack Mobile Backend Machine Learning Engineer

MISSION: AI in support of Earth, Human Rights, & Equality 🌈🐱🔥

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Creative, proactive and entrepreneurial Fullstack Machine Learning Engineer with 12 years experience rapidly realizing innovations while continuously improving systems & platforms and adding value to tiny start-ups & huge corporations.

KEY SKILLS + KNOWLEDGE:

Data Science/Machine Learning/Artificial Intelligence: Python, Jupyter Notebooks, Airflow, scikit-learn, NumPy, SciPy, Keras, TensorFlow, PyTorch, OpenCV, matplotlib, ETL, Natural Language Processing, Computer Vision, Recommendation Engine Development - Backend: Django, PostgreSQL, SQL, AWS, GraphQL, FFMpeg, Serverless, Lambda, Fargate, Docker, Containers; Frontend: React Native bravebits: all ages coding club [volunteer/community]	My Experiments + Open Source: https://alexclifton.com/ django science: framework used for AI Stock Trading App https://github.com/oxbits/djsci dragondrop: drag & drop images into notebooks https://gitlab.com/oxbits/dragondrop News experiment: https://equaltruth.com/ Work Weather: weather forecast for any latitude & longitude https://gitlab.com/oxbits/workweather
Cross-Functional Colleagues/Clients: Back/Front-End Engineers, Data Scientists, Data Engineers, ML Engineers, Product/Product Managers, Process/Scrum Masters, UI/UX Designers, Illustrators, CEO/CTO/CFO/COO Executives, Subject Matter Experts, Journalists, Video Producers, Audio Engineers, Artists, Authors, Scientists	Qualities: Multipotentialite, rapid learner, innovative & inventive, product-minded thinker Other Professional Experience: Land Surveying, Film/Video Production; 3D Animation, Music
Built Software for: insurance, banking, markets, investing, stock trading, fintech, video news distribution, journalism, news aggregator, content recommendation engine, 3D animation, publishing, music/audio, games, calendar scheduling, tutoring, coaching, theatre reviews, flash cards, professional development, job search, staffing, social media, art sales, ecommerce, healthcare saas portals, subscriptions, logistics, operations, geospatial data, maps, agriculture, soil science	

PROFESSIONAL EXPERIENCE:

Machine Learning Engineer [remote] Oct 2021 - Jul 2023

EarthOptics, Agriculture Tech Startup <https://earthoptics.com/>

Back-End API Developer [remote] Jul 2020 - Sep 2021

Zipari: Python Django Rest Framework API Backend Development; Healthcare SaaS Portal, <https://zipari.com/>

Back-End API Developer [remote] Apr 2019 - Jul 2020

MakeSpace: Python Django Rest Framework, Full Service Self Storage, <https://www.clutter.com/> [now Clutter]

Full Stack Mobile Developer/Consultant [remote] Spring 2018 - Winter 2019

SLINGER: Art mobile app, built entire app solo; Inspired by a drawing club, <https://www.slinger.art/>

Senior Director of 8+ Team, Jun 2015 - Feb 2018

CNN Money: NYC, MoneyStream mobile app; NLP recommendation engine, <https://cnn.it/3JM6VKa>

Software Engineer, Spring 2015

Jean Marzollo: "I SPY" books author; 6 interactive children's books on iOS, <http://www.jeanmarzollo.com>

Backend Developer, Jun 2014 - Jun 2015

JAKT: [Startup making apps for Startups], NYC, Python Django Rest Framework API Backend, <https://byjakt.com/>

Lead Developer, Filled in for departed CTO, Dec 2012 - Jun 2014

NowThis News [video news app], NYC, <https://nowthisnews.com/>

Android, iOS, & Java Backend Developer, Feb 2011 - Jan 2013

USAA, San Antonio, TX, <https://www.usaa.com/>

EDUCATION: Bachelor of Science in Computer Science from Marist College; Poughkeepsie, NY; <https://www.marist.edu/>

Magna Cum Laude Class of 2011, Dean's List, Honor Society; Video Game Concentration

Course Highlights: Statistics, Calculus I/II, Linear Algebra, Discrete Mathematics, Physics I/II, Algorithms, AI/ML 🌟🌟🌟🌟🌟🌟