

Ian Alloway

727-470-8666 | ian@allowayllc.com | linkedin.com/in/ianit | github.com/ianalloway
ianalloway.xyz | allowayai.substack.com | Fairmont, WV (Remote-Friendly)

Summary

Data Scientist and AI Engineer pursuing an MS in Artificial Intelligence at the University of South Florida. Builds production ML systems, blockchain analytics pipelines, and AI-powered products. Open-source contributor to OpenClaw (194k+ stars). Founder of Alloway LLC, delivering data-driven solutions across sports analytics, fintech, and cybersecurity.

Technical Skills

Languages:	Python, R, SQL, TypeScript, JavaScript, Solidity
ML / AI:	TensorFlow, PyTorch, Scikit-learn, XGBoost, Deep Learning, NLP, Computer Vision (YOLOv8)
Data:	Pandas, NumPy, Power BI, Tableau, Statistical Analysis, Time Series Forecasting
Web3:	Ethereum, Smart Contracts, Blockchain Analytics, Web3.js, Ethers.js
Infrastructure:	Docker, Git, AWS, PostgreSQL, Redis, React, Node.js, FastAPI, Tailwind CSS
Autonomy:	MAVLink, PX4, ArduPilot, Path Planning (A*, RRT*), Sensor Fusion, EKF

Experience

Founder & Data Consultant <i>Alloway LLC</i>	July 2023 – Present Morgantown, WV
<ul style="list-style-type: none">Founded a data consultancy delivering AI-powered solutions to e-commerce and enterprise clientsDeveloped and deployed ML models to automate decision-making, improving client operational efficiency by 40%Built real-time dashboards using Tableau and Power BI for data tracking across marketing, logistics, and customer serviceImplemented cybersecurity audits and threat detection protocols, reducing client risk exposureManaged full project lifecycles from requirements gathering through deployment and client training	
Data Auditor / AI Engineer <i>Omniichain</i>	Jan 2020 – Dec 2024 Remote
<ul style="list-style-type: none">Extracted and normalized multi-chain blockchain data from Ethereum, Solana, and Polkadot networksEngineered AI-based anomaly detection tools, reducing fraud incidents by 30%Built interactive dashboards to visualize token flow, market movements, and transactional healthConducted performance benchmarking of smart contract operations using Python and SQLPublished technical reports and dashboards used by investors and auditors for blockchain system reviews	
Sales & Purchasing Manager <i>IT Parts and Spares Ltd.</i>	Sept 2018 – Aug 2023 Miami/Fort Lauderdale, FL
<ul style="list-style-type: none">Led procurement operations with international vendors, optimizing logistics and reducing costs by 15%Maintained inventory systems ensuring data accuracy; collaborated with IT teams on procurement automationMonitored market trends to forecast demand and negotiate pricing, managing HP, IBM, Lenovo, and Dell contracts	
Task Force Manager <i>Hilton Hotels</i>	Aug 2020 – Sept 2023 Tampa, FL
<ul style="list-style-type: none">Directed operational improvements across multiple properties, achieving measurable guest satisfaction increases (up to 20%)Managed property P&L, budgets, and vendor relations; provided GM-level leadership coverage during transitions	

Projects

AI Advantage Sports — Sports betting platform with integrated XGBoost ML predictions, Kelly Criterion bet sizing, and value bet detection for NBA games. Model achieved 68% prediction accuracy. (*React, Python, XGBoost*)

Money Maker Bot — Financial intelligence assistant built on OpenClaw for sports odds analysis, NFT price tracking, and portfolio visualization. Published custom skills to ClawHub marketplace. (*TypeScript, OpenClaw*)

Drone AI — Autonomous vehicle intelligence platform with YOLOv8 computer vision, A*/RRT* path planning, behavior trees, and MAVLink drone integration. (*Python, PyTorch, MAVLink*)

Sports Betting ML — NBA game prediction model deployed on HuggingFace. XGBoost classifier with feature engineering on player stats, team metrics, and historical matchups. (*Python, XGBoost, Streamlit*)

Mutant Intelligence — Web3 application transforming Mutant Ape Yacht Club NFTs into AI assistants with traits-based personality. (*React, Ethereum, Web3.js*)

Open Source

OpenClaw — Active contributor to the 194k+ star AI agent framework. Bug fixes, skill system improvements, and published 4 skills to [ClawHub](#): sports-odds, nft-tracker, data-viz, screenshot-annotator.

Education

M.S. Artificial Intelligence 2024 – Present
University of South Florida

B.S. Information Science, Data Science and Analytics 2023 – 2025
University of South Florida

Diploma, Hospitality Management 2020 – 2022
Commonwealth University

Certifications

Deep Learning Specialization (Andrew Ng, Coursera) | Machine Learning Engineering (Google Cloud) | AWS Certified Cloud Practitioner | Blockchain Fundamentals (UC Berkeley) | Oracle Database SQL Certified Associate | Tableau Desktop Certified Professional

Writing

Alloway AI (Substack) — Technical writing on ML model development, AI agent architecture, and sports analytics. Recent posts: “How I Built an ML Model That Beats Vegas (Sometimes)” and “Building a Job Fit Analyzer with NLP and React.”