

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 July 2023 – Present
Alloway LLC Morgantown, WV

- Founded a data consultancy delivering AI-powered solutions to e-commerce and enterprise clients
- Developed 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 service
- Implemented cybersecurity audits and threat detection protocols, reducing client risk exposure
- Managed full project lifecycles from requirements gathering through deployment and client training

Data Auditor / AI Engineer Jan 2020 – Dec 2024
Omniichain Remote

- Extracted and normalized multi-chain blockchain data from Ethereum, Solana, and Polkadot networks
- Engineered AI-based anomaly detection tools, reducing fraud incidents by 30%
- Built interactive dashboards to visualize token flow, market movements, and transactional health
- Conducted performance benchmarking of smart contract operations using Python and SQL
- Published technical reports and dashboards used by investors and auditors for blockchain system reviews

Sales & Purchasing Manager Sept 2018 – Aug 2023
IT Parts and Spares Ltd. Miami/Fort Lauderdale, FL

- 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 automation
- Monitored market trends to forecast demand and negotiate pricing, managing HP, IBM, Lenovo, and Dell contracts

Task Force Manager Aug 2020 – Sept 2023
Hilton Hotels Tampa, FL

- 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 <i>University of South Florida</i>	2024 – Present
---	----------------

B.S. Information Science, Data Science and Analytics <i>University of South Florida</i>	2023 – 2025
---	-------------

Diploma, Hospitality Management <i>Commonwealth University</i>	2020 – 2022
--	-------------

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.”