Meley Haddis

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT — Los Angeles, CA
Master of Financial Engineering — Expected Dec 2027
COLLEGE OF WILLIAM & MARY — Williamsburg, VA
B.S., Materials Science — May 2021

SKILLS & CERTIFICATIONS

- *Programming Languages:* Python, SQL, JavaScript, TypeScript, HTML/CSS
- *Frameworks & Libraries:* NumPy, Pandas, Flask, Django, React, Node.js
- *Databases & Platforms:* PostgreSQL, MongoDB, Snowflake, Docker, AWS OpenSearch, Google Document AI, Tableau

EXPERIENCE

SUNCORE DIGITAL — Bellevue, WA
Renewable-powered data center infrastructure for energy-intensive computing — Mar 2026 – Aug 2026
AI Specialist

- Developed a mechanism to model and compare BESS hardware configurations, using battery storage specifications to quantify how different models shift facility load into low-carbon grid hours and their corresponding emissions impact
- Engineered an hourly grid carbon-intensity dataset from 194K federal generation-by-fuel records across 2.5 years, correcting storage-reporting artifacts and building leakage-safe features to power 24-hour-ahead ML forecasting for operational decision-making
- Evaluated frontier LLMs on technical accuracy, security posture, and reliability, selecting Grok to power an investor-facing chatbot demonstrating the company's expertise in renewable energy and blockchain infrastructure optimization

SNORKEL AI — Redwood City, CA
AI data company serving frontier labs — Nov 2025 – Present
AI Engineer & Research Co-author

- Authored coding benchmarks for frontier AI model evaluation across quantitative finance (Black-Scholes, Monte Carlo methods), theoretical physics (relativistic problems), and cryptarithmetic. Submissions approved for publication at tbench.ai
- Developed benchmarks that exposed critical reasoning gaps in frontier model code generation, achieving 80% failure rates on complex quantitative tasks and generating training data to correct and improve agentic coding capabilities
- Designed multi-step agentic tasks within isolated containerized environments to systematically benchmark model performance across coding complexity levels and generate high quality training data
- Deployed tamper-proof Docker containers to rigorously evaluate frontier model performance and security resilience, preventing models from gaming or manipulating the testing curriculum

PLAINR — New York, NY
Enterprise AI startup building for Private Equity (Seed) — Jul 2025 – Aug 2026
Founding Backend Engineer

- Engineered RESTful API service calculating 30+ SaaS financial KPIs (Rule of 40, NRR, CAC Payback, EBITDA margin) from ML-extracted financial data, automating performance analysis and real-time company benchmarking
- Built production Flask/PostgreSQL service on GCP Cloud Run with CI/CD, batch-processing 100+ portfolio companies
- Extensively tested Google Document AI on SEC financial filings to extract structured data; identified limitations with complex layouts and pivoted to hybrid extraction approach

GLG — New York, NY (remote)
Expert network connecting institutional investors with industry specialists — Jun 2025 – Present
EV Industry Consultant

- Advise hedge funds, PE firms, and startups on EV charging infrastructure, pricing, and regulatory compliance, including M&A diligence on international charger manufacturers
- Provide technical expertise on charger hardware, component supply chains, and trends like liquid cooling in high-power chargers to inform investors' financial decisions

ELECTRIFY AMERICA (VOLKSWAGEN GROUP OF AMERICA) — Reston, VA
Second largest EV charging network in North America — Nov 2021 – Jun 2024
Lead DC-Fast Charging Solutions Engineer (Oct 2022 – Jun 2024)
Engineering Analyst (Nov 2021 – Oct 2022)

- Upheld NACS standards and improved charging performance metrics through OCPP data analysis in Snowflake SQL to meet NEVI funding requirements, helping secure over $8 million in NEVI awards since 2022
- Drove resolution of critical issues, including thermal safety events, by validating hardware/software hotfixes and new releases with EV and charger OEMs and cross-functional QA and lab teams, boosting network reliability by 20%
- Cultivated face-to-face relationships with business and technical teams at EV automakers like Mercedes-Benz and BMW, collaborating on technical interoperability solutions and upholding multimillion-dollar contractual agreements