

DYLAN C.H. DALE

ESG Strategist · Sustainability Practitioner-Researcher · Doctoral Candidate

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3 open-source climate platforms built & released · Top 10% Performer, two consecutive externships · ~30% increase in program completion rates · 30+ countries reached through nonprofit board fundraising strategy

Professional Summary

ESG and sustainability practitioner-researcher pairing doctoral-level research methods with the technical ability to build the tools the field needs. Founder of three open-source climate platforms: Nemoto (GHG accounting), Fudo (geospatial environmental intelligence), and Kyosei (unified ESG rating framework), built on GHG Protocol, GRI, SASB, TCFD, ISSB, CDP, SBTi, and TNFD. Conducting original DBA research on executive cognition and ESG decision-making. Fluent across carbon accounting, qualitative research, AI-enabled workflows (LLMs, RAG, OCR), and sustainability finance, with cross-sector leadership spanning nonprofit operations, board governance, and corporate retail.

Core Competencies

ESG & Sustainability: GHG Protocol (Scope 1, 2, 3); Carbon Accounting & LCA; ESG Disclosure (GRI 305, TCFD, CDP, SASB, ISSB, CSRD); Science-Based Targets (SBTi); TNFD & Nature Risk; ISO 14001 EMS; Triple Bottom Line

Research & Analysis: Constructivist Grounded Theory; Semi-Structured Executive Interviews; Qualitative & Quantitative Methods; IRB Protocol Design; CITI Certified; ESG Financial Analysis; DCF & 3-Statement Modeling

Technology & Data: Open-Source Development; LLMs, RAG & OCR Pipelines; Geospatial Analytics (GeoPandas, Shapely); API Integration; Data Modeling; AI-Assisted Research

Leadership & Operations: Cross-Functional Program Management; Board Governance; Stakeholder Engagement; OKRs & Strategic Planning; Change Management; Executive Communications

Education

Doctor of Business Administration (DBA)

Expected Aug 2026

Corporate Sustainability & Leadership · Edgewood University, Henry Predolin School of Business · CITI Certified · IRB Protocol Developed Independently

Dissertation (in progress): *“Reframing Sustainability: Executive Cognition, Financial Logic, and the Triple Bottom Line in ESG Decision-Making.”*

- Employing Constructivist Grounded Theory to examine how senior executives cognitively frame, justify, and resist sustainability investment decisions; integrating Upper Echelons Theory, cognitive framing, sensemaking, and Triple Bottom Line.
- Conducting 10–15 semi-structured interviews with C-suite and VP-level executives; IRB protocol independently developed; CITI certified in Social & Behavioral Research.

Master of Business Administration (MBA), Applied Business Research

Aug 2025

Edgewood University, Henry Predolin School of Business

Bachelor of Science, Fine Arts & Graphic Design · Peru State College

Professional Experience

Investment Analyst Extern – Extern / Mangusta Capital (AI-Focused VC)

2026

- Recognized as Top Performer (top 10%). Supported fundraising strategy for an AI-focused VC fund targeting \$80M AUM, researching and qualifying prospective LPs across global family offices.
- Benchmarked comparable funds on positioning and LP composition; built a prioritized LP profile deck with strategic alignment rankings and drafted segmented outreach translating the fund’s vertical-AI thesis.

Supply Chain Document Processing Extern – Extern / Pfizer

2026

- Recognized as Top Performer (top 10%) as a Senior Extern. Applied OCR, LLMs, and RAG techniques to automate clinical supply-chain documentation across shipping, logistics, and regulatory-compliance records.
- Built Python automation to extract and structure data from complex healthcare documents and a RAG-powered search system for faster retrieval across large document volumes; presented pipeline findings to stakeholders.

Assistant Strategic Director – Seaside Sustainability

2024 – 2025

- Served as cross-functional liaison across climate programs, fundraising, and creative teams within a national nonprofit supporting 250+ staff and volunteers.
- Recruited 15+ new organizational leaders and increased intern program completion rates by ~30% through process redesign; standardized roadmaps, standups, and OKRs; synthesized program insights into board-level reporting.

Regional Merchandising Coordinator – adidas Group

2022 – 2024

- Managed supply chain orders, inventory tracking, and merchandising operations across multiple regional locations, building hands-on supply-chain visibility experience directly relevant to Scope 3 emissions tracking and sustainable sourcing.
- Coordinated regional retail operations, bridging field teams and corporate systems on performance reporting, fixture compliance, and standards; managed real-time KPI dashboards enabling corrective action at regional scale.

Board Member – Project AnimalAid, Boulder, CO

Ongoing

- Serve on the board of a nonprofit redistributing donated medical supplies to animal-welfare organizations across 30+ countries; developed fundraising strategy covering grant research, corporate sponsorship tiers, and donor-advised funds.

Earlier: Head of Strength & Conditioning (Tennis), Genesis Health Clubs (2021–2023); Marketing Intern & Photographer, Peru State College; Customer Service, Hewlett-Packard, Walmart & Marshall's.

Open-Source Projects

Kyosei – Unified ESG Rating Framework

2026

- Designed an open-source ESG rating system reviewed by senior sustainability practitioners, synthesizing 18+ governing frameworks (GHG Protocol, ISSB, TCFD, CSRD, GRI, SASB, CDP, SBTi, TNFD, SBTN, UN SDGs, Planetary Boundaries) into a single transparent, auditable metric set.
- Architected an eight-pillar system spanning framework synthesis, scoring logic, geospatial physical-risk integration, and an AI-powered live intelligence layer pulling public filings, CDP disclosures, and SEC climate reports.
- Organized scoring around the Stockholm Resilience Centre's nine Planetary Boundaries, extending coverage to Scope 4, nature, biodiversity, water, and human rights: dimensions routinely omitted by commercial raters.

Nemoto – Open-Source GHG Accounting Engine

2026

- Built GHG accounting infrastructure under the GHG Protocol Corporate Standard for organizations priced out of six-figure enterprise platforms: Scope 1, 2, and 3 across 14 activity categories, with EPA-sourced emission factors embedded transparently for full auditability.
- Generated disclosure-ready outputs aligned to GRI 305 (305-1 through 305-5), TCFD Metrics & Targets, CDP Climate Change, and SASB, with science-based target management tagged to SBTi, Paris-aligned, and net-zero pathways.
- Implemented location-based Scope 2 using regional eGRID subregion factors; built React/Recharts front end with structured JSON disclosure export.

Fudo – Geospatial Environmental Intelligence Platform

2026

- Developed an open geospatial platform mapping climate risk, emissions accountability, and community vulnerability, answering which communities are most exposed to climate impacts and who is responsible for the underlying emissions.
- Engineered a 28-object domain model integrating NOAA, NASA, USGS, and EPA datasets with a Python spatial analysis engine (GeoPandas, Shapely), FastAPI REST API, and SpatiaLite/PostGIS backend; 129 passing tests with CI.
- Designed loose coupling with Nemoto so measured emissions flow directly into geographic impact and environmental-justice mapping.

Applied GHG Accounting & ESG Financial Analysis – Independent

2026

- Produced verified Scope 1 and Scope 2 emissions inventories using GHG Protocol methodology (stationary combustion, mobile combustion, location-based electricity).
- Built a DCF valuation and three-statement model for Workiva (WK) from SEC 10-K data with an interactive HTML visualization and full investment narrative.

Certifications & Professional Development

Research Ethics (CITI Program): Social & Behavioral Research; Human Subjects (Institutional/Signatory Official)

Climate & ESG: ICAT Climate Finance Transparency; IPBES & IPCC: Bridging Science, Policy & Practice (RESPIN/Helmholtz)

Energy & Built Environment (FEMP / WBDG / NIBS): 15+ continuing-education units in energy efficiency, resilience, and sustainable site design

AI & Technology (Anthropic): AI Fluency: Framework & Foundations; Claude Code 101 & Claude Code in Action

Leadership & Governance: Nonprofit Board Member Essentials & Leadership Essentials (NonprofitReady)

Tools & Platforms: Python; React; FastAPI; Git/GitHub; Google Workspace; Microsoft 365