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SUMMARY

Data-driven professional with expertise in partnership development, ecosystem analytics, and program coordination. Ph.D. scientist with proven ability to architect comprehensive databases, extract actionable insights from complex datasets, and translate analysis into strategic partnership opportunities.

SKILLS

Data & Analytics: Database architecture and management • Data validation & quality control • Statistical analysis & visualization • Market intelligence synthesis • Operational performance tracking • Web scraping
Partnership & Business Development: Strategic partnership identification • Stakeholder engagement • Academic-industry collaboration • Relationship management • Onboarding framework design • Cross-sector communication
Project & Program Management: Multi-stakeholder coordination • Timeline & deliverable management • Workflow optimization • Process improvement • Cross-functional team leadership
Technical Tools: Microsoft Excel (advanced) • Python (Pandas, Beautiful Soup) • Monday.com (CRM/project tracking) • Data visualization • Statistical software • Microsoft Office Suite

EXPERIENCE

- Partnership Development & Ecosystem Analytics Intern, Why Regenerative** Oct 2025 – Present
- Architected comprehensive regenerative agriculture ecosystem database capturing 2,000+ farms, 100+ certified brands, 100+ active investors, and 30+ emerging ag tech companies through web scraping, data extraction, and systematic cleaning/validation processes—enabling data-driven partnership strategy and market opportunity identification across the \$47B+ regenerative agriculture sector
 - Conducted strategic market intelligence synthesis to identify partnership gaps and emerging trends, translating complex cross-sector data into actionable insights for business development priorities
 - Executed targeted outreach to academic institutions and research communities using database insights, establishing collaborative frameworks that bridge researchers, practitioners, and industry stakeholders
 - Developed scalable onboarding and engagement frameworks for different partner types (farms, brands, investors, research institutions) using Monday.com CRM, establishing standardized processes that decreased onboarding time while preserving relationship quality across a rapidly expanding network.
- Doctoral Researcher, Columbia University** Aug 2020 – Sept 2025
- Independently designed and conducted a 5-year research program from hypothesis to publication, managing the entire project scope, methodology, and timeline.
 - Synthesized large, complex datasets into clear findings and recommendations for diverse audiences, from technical collaborators to non-specialist institutional partners, enhancing analytical communication skills essential for research and strategy roles in systems like food and agriculture.
 - Led cross-institutional collaborations involving multiple research groups and external partners, coordinating timelines, deliverables, and stakeholder expectations across organizations with varying priorities and work styles.
 - Authored peer-reviewed publications and presented findings to academic and industry audiences, consistently translating technical complexity into accessible narratives for stakeholders without scientific backgrounds.

EDUCATION

- PhD** Columbia University in the City of New York Aug 2020 – Sept 2025
Cellular Physiology and Biophysics
- BA** University of California, Berkeley Aug 2016 – May 2020
Molecular and Cellular Biology: Biological Chemistry, with Honors Distinction

PROFESSIONAL DEVELOPMENT

Columbia Graduate Consulting Club, Member (May 2024-Sept 2025): Developed expertise in case structuring, client communications, and project scoping; competed in case competitions with cross-disciplinary peers to solve complex business challenges.