

DANY RESOLUS
Ph.D. Candidate in Agricultural & Applied Economics
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PROFESSIONAL SUMMARY

- Multilingual professional with 11+ years of experience in research, agricultural development, food security, applied economics, and project management.
- Proven expertise in designing and implementing innovative agricultural initiatives that enhance resilience, promote sustainable resource management, and improve livelihoods.
- Renowned for drafting competitive, donor-compliant proposals that secured multi-million-dollar grants from major donors (USAID, EU, European Parliament, PBF, French Embassy).
- Skilled in econometrics, irrigation optimization, precision agriculture, curriculum design , natural resource management, and monitoring & evaluation.
- Advanced proficiency in R, Python, QGIS, ensuring robust data analysis, program design, and evidence-based decision-making.

EDUCATION

Period	Institution	Degree/Program	Details
2023 – Present	Texas Tech University, USA	Ph.D. in Agricultural & Applied Economics	<ul style="list-style-type: none">• Fulbright Scholar – acceptance rate <1%• Dissertation: Precision agriculture, irrigation optimization, and cotton profitability in the Texas High Plains
Jan. 2023 – July 2023	University of Missouri, Columbia, USA	Intensive English Program (IEP)	<ul style="list-style-type: none">• Fulbright Scholar
2017 – 2019	Kyungpook National University, South Korea	Master’s degree in food security and Agricultural Development	<ul style="list-style-type: none">• KOICA Scholar – top 1% of emerging leaders
2008 – 2013	State University of Haiti – FAMV	Bachelor of Science in Agricultural Engineering	<ul style="list-style-type: none">• Haitian Government Scholar – competitive admission

PROFESSIONAL TRAINING & CERTIFICATIONS

- Progettomondo Mal (2021): Organizational Resilience.
- World Vision Haiti (2020–2021): Emergency Preparedness, Natural Disaster Mitigation, Workplace Safety.
- Kyungpook National University (2017–2019): Rural Development (Saemaul Undong), Food Security Symposium, Biosafety (LMO), Lab Safety, Sexual Harassment Prevention.
- Université Laval / AKOSAA Project (2014–2017): QGIS mapping, Gender in Rural Development, Agricultural & Food Heritage, Environmental Review.

- FINCA Haiti SA (2015): Financial Evaluation of Agricultural Enterprises, Credit Portfolio Management.

WORK EXPERIENCE

Organization	Position / Period	Key Responsibilities & Achievements
Texas Tech University – Department of Agricultural & Applied Economics	Graduate Part-Time Instructor — <i>Fall 2025</i>	<ul style="list-style-type: none">• Teach <i>Fundamentals of Agricultural & Applied Economics (AAEC 2305)</i>• Provide academic support through office hours, mentoring, and feedback
Texas Tech University – Department of Agricultural & Applied Economics	Research Assistant — <i>2023–Present</i>	<ul style="list-style-type: none">• Research on irrigation optimization and cotton profitability using econometric and optimization models• Mentor students in econometrics and program evaluation• Supported curriculum improvement using Competency-Based Approach (CBA/APC)• Presented findings at AAEA Annual Meeting 2025
Progettomondo MLAL, Haiti	Country Representative — <i>2021–2022</i>	<ul style="list-style-type: none">• Managed national operations and partnerships• Drafted and secured projects worth up to €5M (EU, PBF)• Oversaw technical and financial reporting systems
World Vision Haiti – Central Plateau	Program Manager — <i>2019–2021</i>	<ul style="list-style-type: none">• Directed programs (Food Security, WASH, Education, Emergency Response)• Ensured safeguarding compliance• Supervised multidisciplinary teams
Université Laval / AKOSAA Project – Saint-Marc, Haiti	Agricultural Component Manager — <i>2014–2017</i>	<ul style="list-style-type: none">• Supervised agricultural innovation programs• Promoted food security through crop diversification and resilience

KEY PROJECTS & CONSULTANCIES
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Funder/Client	Project / Zone	Role	Key Results	Year
HELVETAS / RESEPSE (Sud-Est, Haïti)	Gender-sensitive cost-benefit analysis of climate change adaptation strategies in drinking water sector	Lead Consultant	Developed standardized CBA framework, ranked adaptation options (NPV, IRR, BCR), provided reproducible methodology for institutions	2025
Plan International (Nord-Est, Haïti)	Transformative Training on Gender Equality & Inclusion	Lead Consultant	Designed & delivered training for education officials; developed CBA/APC modules; produced final report with policy recommendations	2025

Heifer International (Sud-Est, Nord-Est, Plateau Central)	AGRIFRONT – Agricultural Market Study & Systems Analysis	Lead & Associate Consultant	Mapped value chains, analyzed trade flows, assessed sustainability of farming systems; proposed inclusive strategies for women/youth	2025
CESAL (Thiotte & Anse-à-Pitres, Haïti)	Development of Training Plans (Renewable Energy, Agribusiness, ICT)	Associate Consultant	Designed 3 competency-based curricula aligned with INFP standards; co-created with sectoral experts; prepared implementation roadmap	2025
CISV / EU (Artibonite, Haïti)	Final Evaluation – <i>CIBO SICURO</i> Project (8x1000)	Lead Consultant	Conducted food security & resilience assessment; reduced post-harvest losses; strengthened local monitoring mechanisms	2024
CRESFED / EU (Anse-Rouge, Haïti)	Communal Development Plan (PCD)	Lead Consultant	Facilitated participatory planning with stakeholders; developed strategic frameworks & actionable sectoral plans (agriculture, WASH, education)	2023
We World GVC / EU (Northwest, Haïti)	Goat-Based Solidarity Chain Program	Lead Consultant	Secured EU funding; designed community-based livestock program; strengthened food security & resilience	2023
Progettomondo / EU (National, Haïti)	Capitalization of Best Practices – TAGK/FED2018	Consultant	Documented successful interventions; developed reproducible models; strategic recommendations for replication	2023–2024
Municipality of Mont-Rouis (Côte des Arcadins, Haïti)	Tourism-Based Entrepreneurship Program	Consultant	Trained 120+ actors (students, teachers, hotel managers); strengthened local tourism value chains & community-based businesses	2020
Tearfund / USAID (Jacmel, Haïti)	Evaluation – Disaster Preparedness & Community Resilience	Lead Consultant	Evaluated preparedness initiatives; enhanced local emergency response capacities	2018
Caritas Czech Republic / EU (Léogâne, Haïti)	Agroecology & Food Security Project (AFSP)	Lead Consultant	Designed agroecological food security project; improved resilience through sustainable practices	2017
Compassion International (Saint-Marc, Haïti)	<i>Jadins Lakou</i> Educational Agriculture Program	Consultant	Established school gardens for 100 children; trained 35 educators in sustainable agriculture	2014

Université Laval / Global Affairs Canada (Various zones, Haïti)	AKOSAA Project – Adaptation & Multiplication of Agricultural Varieties	Local Consultant	Created 6 seed production groups with National Seed Service; improved food security via training & seed systems	2015
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PUBLICATIONS

- Resolus, D. (2025). Optimizing Irrigation for Cotton Profitability in Texas High Plains. AAEA Annual Meeting.
- Resolus, D. (2021). OsBRKq1, Grain Size Mapping in Rice. International Journal of Molecular Science.
- Resolus, D. (2018). Rice QTL Analysis for Yield & Ecology. Korean Society of Breeding Science.
- Resolus, D. (2015). Introduction de variétés de pois (*Vigna unguiculata*) à Saint-Marc. Université Laval – AKOSAA.

LEADERSHIP & ENGAGEMENT

- Co-founder – Consulead Consultancy Firm
- President – Thrive Together(Non-profit Organization).
- Member – Governance Committee of Matheux Sub-Watersheds.

REFEREES

- Dr. Chenggang Wang – Associate Professor & Graduate Coordinator, TTU | Email: chenggang.wang@ttu.edu
- Marco Decessari – Country Representative, Progettomondo | Email: haiti.decesari@progettomondo.org
- Pierre-Philippe Elias – Regional Manager, Plan International | Email: pierrephilippeelias@gmail.com