

ARYA JEMAL (she/they)

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EDUCATION

Masters of Science in Sustainability Management | Columbia University School of Professional Studies/Climate School
Certificate in City Planning | University of California Berkeley College of Environmental Design Summer [IN]STITUTE
Bachelor of Arts in Environmental Studies | Swarthmore College

SKILLS | ArcGIS • Armenian • Canva • Greenhouse Gas Accounting • Grant Writing • Life Cycle Analysis • Lobbying

PROFESSIONAL EXPERIENCE

Contributing Writer | Armenian Weekly // Remote September 2024 - Present

- Bi-monthly contributing writer online and in-print on climate change issues in Armenia; [published articles](#)

Fulbright Student, Research/Study | The Fulbright Program // Yerevan, Armenia September 2023 - August 2024

- Created [Farmer Climate Resilience Toolkit](#) (climatehubarmenia.com) to measure resilience of farmers through set of environmental, economic, and social indicators, corresponding to Farmer Climate Resiliency Score (RS)
- Interviewed 25+ farmers in Lori Province using the developed [Farmer Climate Resilience Tool](#)
- Conducted soil testing on 10+ farms of soil type (ribbon test), NPK, soil organic matter, pH, heavy metals, and bulk density with farmers and in collaboration with Armenian National Agrarian University's soil lab
- Created a [website](#) to display major climate risks to Armenia i.e. extreme heat, drought, soil degradation, and publicly accessible database of 25+ farmers and farm info in Lori Province using ArcGIS mapping
- Volunteer mentor for TUMO Labs AgriTech Incubation Program for 6 teams developing new agtech products

Graduate Teaching Assistant, Sustainable Agriculture | Columbia University SPS // NY, NY January 2023 - August 2023

- Held office hours, graded papers/problem sets, provided expertise on agriculture research topics

Project Manager, Capstone Workshop Consultancy | C40 Cities Finance Facility // NY, NY January 2023 - May 2023

- Managed a team of 12 to develop methodologies to quantify the total number of people benefiting from climate adaptation projects for flood management, landslide reduction, and river catchment projects in Medellín, Colombia, Salvador, Brazil, and Cape Town, South Africa, respectively
- Served as main point of contact to the client, developed multi-month workplan, and prepared oral briefings
- Researched climate adaptation quantification for reduction of waterborne illnesses and cardiovascular diseases

GHG Emissions Consultant, Grant Writer | EnviroKure // Remote 6/18 - 3/19, November 2022 - January 2023

- Assisted in writing USDA's \$3 million 2022 Fertilizer Production Expansion Grant for climate-smart ag-tech
- Conducted GHG emissions inventory for Scopes 1-3 using GHG Protocol Agricultural Guidance and SBTis
- Modeled positive company impact on soil health, water quality, air quality, and GHG emissions using Excel and developed promotional materials for Series A investors and to increase stakeholder engagement

Solar PV Designer | Sunstruck Solar LLC // Remote May 2022 - January 2023

- Modeled carports, roof mounted, and ground mounted solar installations for 50+ clients weekly for residential solar in NJ, CT, PA, and NY using Aurora Solar and LiDAR, and provided models of solar financing
- Consulted 300+ potential solar clients weekly using Energy Sage including discussing federal and state tax credit and benefits (Investment Tax Credit) and solar renewable energy credits (Solar RECs)

Project Coordinator | New York Public Interest Research Group (NYPIRG) // NY, NY September 2021 - August 2022

- Did on-the-ground outreach on all 6 statewide campaigns and public policy goals
- Managed 350+ active members of the Hunter College NYPIRG chapter through daily check-ins and updates on Slack, bi-weekly emails, mass texting 3+ times a week using Hustle, and 3+ social media updates weekly
- Ran 2 lobby meetings for New Deal 4 CUNY with State Senator Liz Krueger and State Assemblymember Dan Quart with 20 Hunter College students, professors, and community members on each meeting
- Added 500+ chapter members and 4 orgs to our Hunter College NYPIRG network over two semesters

Co-founder and Operations Manager | [Yerazad Coalition](#) (2021-Present) // US-Armenia action and policy coalition

- Have developed a network of 5000+ to take action on US-Armenia policy, successes include passage of resolution by Orange County Board of Supervisors, and resolution by Iranian American Democrats of America
- [Raised \\$10,000](#) to build greenhouses for refugees from Nagorno-Karabakh, 2 greenhouses in construction now