**SAVANNAH BROOKINS**

Preferred Name: Vana

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**Summary**

Environmental Health professional with experience in environmental consulting, community outreach, and air quality monitoring seeks to use data-driven approaches for the advancement and promotion of effective environmental health protection. I excel in public presentation, have strong research abilities, and enjoy collaborating with and learning from others. I am passionate about upholding principles of equity and community health while working with various stakeholders to come up with solutions for issues surrounding air and water pollution, population health, climate change, and ensuring a safe and healthy environment for all.

**Skills**

ArcGIS ∙ R ∙ Microsoft Suite ∙ Adobe Suite ∙ Python ∙ Data Visualization

Data Analysis and Management ∙ Qualitative Research ∙ Analytical Writing ∙ Science Communications

**Education**

**MPH** Environmental Health Science and Policy Expected May 2025 George Washington University

*Relevant Coursework:* Sustainable Energy and the Environment, Global Climate Change and Air Pollution, Quantitative Methods in Environmental and Occupational Health, Independent Study (NASA ARSET and Applying Satellite Data to Public Health Research)

*Relevant Projects:*

Mapping Spatial Disparities to Criteria Air Pollutant Exposure in DC Neighborhoods (Ongoing)

Assessing Bicyclist PM2.5 Exposure between Various Types of Bike Lane Infrastructure in DC

The Combined Burden of Extreme Heat and Fine Particulate Matter in Washington and California Agricultural Communities

**BA** Anthropology & Japanese Language and Culture Studies 2017 - 2021 University of North Carolina at Charlotte

**Relevant Experience**

**Science Program Support Assistant**, USGS National Climate Adaptation Science Center January 2025 – Ongoing

* Supports NCASC scientific and project management processes and tools, including a project tracking and data repository system and a proposal management system.
* Collaborates with NCASC scientists and regional CASCs to track publications and products from CASC-funded research, update project information, and synthesize findings and progress associated with projects.
* Drafts communication materials such as fact sheets, postcards, presentations, graphics, and reports that are used to brief partners and stakeholders, senior leadership within USGS and DOI, and Congress.

**Climate Assessments Intern,** NOAA/North Carolina Institute for Climate Studies January 2025 – Ongoing

* Performs research on climate extremes, adaptations, and identifying datasets appropriate for the development of climate indicators.
* Creates figures and infographics to effectively communicate climate information, including documents metadata of scientific figures and datasets.

**Environmental Consultant,** Environmental Defense Fund June - December 2024

* Conducted two systematic reviews to identify exposure data for use in health impact studies of air pollutant exposures attributable to or spatially overlapping with the oil and gas industry in Mexico and Brazil.
* Prepared a report, written summaries, presentation of findings, and final recommendations for stakeholder meeting between EDF and partner organizations in Mexico and Brazil.
* Worked with EDF Clean Air team to review methane and co-pollutants health impact assessment, also used for stakeholder meetings.

**Research Assistant,** Milken Institute of Public Health, George Washington University March 2024-December 2024

* Proofread, verified, and created citations for an occupational health research project by Dr. David Michaels.
* Crafted presentations for use at G20 Meetings in Brazil (2024) as well as Intergovernmental and private industry meetings in Singapore (2024) pertaining to workplace safety and sustainability in industrial practices.
* Conducting research on industry-specific OSHA ITA data to identify temporal and geospatial trends on worker injury rates.

**Project Manager**, Global Food Institute, George Washington University June 2024 – August 2024

* Designed a health intervention model focusing on the prevention of obstetric fistulas in sub-Saharan Africa through increasing food and nutrition access via women-centered community support programs.
* Supported and fundraised private foundation efforts in Nigeria to bring obstetric fistula surgeries and properly equipped mobile clinics to rural women in need.
* Managed a team of four graduate research assistants through weekly meetings and project guidelines to ensure team expectations were being met and ensure timely collaboration with partners in Nigeria.

**Graduate Researcher,** Global Food Institute, George Washington University Fall 2023

*The Climate Reality for Independent Restaurants, PI: Dr. Tara Scully*

* Worked with a graduate research team under Dr. Tara Scully with funding from the James Beard Foundation to publish a report highlighting disproportionate damage to independent restaurants and their supply chains caused by climate change.
* Wrote section determining the relative role of local and regional food hubs, vulnerabilities in the food system, and the effect of climate change and natural disasters on the food system and restaurant economy.

**Science Communications Intern,** Collaborative for Health and Environment September 2023 - January 2024

* Conducted research on the environmental and health harms of plastics, with a particular focus on artificial turf and the actions of fossil fuel lobbyists, to make fact sheet webpage and a report for the CHE network.
* Supported the creation of schedules and webpages based around upcoming science communications webinars hosted on CHE’s website.
* Created content using Canva and disseminated news via CHE’s social media platforms 3-4 times per week.

**Assistant Language Teacher,** Susaki City Board of Education 2021-2023

* Instructed 20-24 elementary and junior high school English classes per week, with an average class size of 15, alongside native Japanese teachers.
* Served as MC at an English summer camp for 45 elementary students and 20 high school students.
* Coordinated and implemented regular cultural events for school-wide and district-wide festivals.

**Block Representative**, Council of Local Authorities for International Relations 2021 - 2023

* Served as the emergency response coordinator for 27 members of JET Program within local region.
* Conducted quarterly emergency drills to confirm the block’s emergency response system and acted as first point of

contact in emergency scenario for JET Program members in region.

**Volunteer Firefighter,** Susaki City Fire Department, Susaki, Japan 2022 - 2023

* Responded promptly to emergency situations including fires, missing persons reports, typhoon-related hazards

such as fallen power lines, flooding, etc.

* Attended weekly firefighting training and conducted regular equipment maintenance.
* Participated in fire safety education events at local schools and community centers to educate the public on

emergency preparedness and controlled burning activities.

**Publications**

Scully T., et al. (2024) “The climate reality for independent restaurants: A deep dive into the supply chain and new economic realities.” James Beard Foundation/Global Food Institute. George Washington University.