

# Edem Yevo

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## EDUCATION

**B.S. Environmental Science & Technology**, May 2019

**Minor:** Geographic Information Science (GIS)

University of Maryland, College Park (UMCP)

**M.S. Energy and Resources Group**, May 2021

**Energy Policy**

University of California, Berkeley

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## EDUCATION ABROAD EXPERIENCE

**University of Ghana**, Legon, Ghana (August 2018)

- Completed a 3-credit course titled Corporate Social Responsibility in Ghana: A Strategy for Sustainable Educational Development (AAPS300) led by Dr. Rhea Roper Nedd
- Received a series of lectures at the University of Ghana on sustainable development
- Participated in various service projects including a renovation of a local school

**Universidad San Francisco de Quito USFQ**, Quito, Ecuador (June – July 2017)

- Courses completed: Environmental Issues: Conservation and Public Policy In Ecuador (ES 330), Ecuadorian Ecosystems (ES 360), Basic Intensive Spanish (SP 300)
  - Summer semester academic experience including a home-stay in Quito with Spanish speaking family
  - Studied issues of environmental management and preservation in Ecuador and the Galapagos
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## ACADEMIC AWARDS/HONORS

- Ronald E. McNair Scholars Fellowship (2018)
  - Benjamin A. Gilman International Scholarship (2017)
  - Outstanding Poster Presentation, Undergraduate Research Day (2017)
  - Louis Stokes Alliance for Minority Participation (LSAMP) Undergraduate Research Program Fellow (2017)
  - Senator Nancy J. King Undergraduate Scholarship (2015-2019)
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## RESEARCH & PROFESSIONAL EXPERIENCE

**Administrative Assistant** (June 2018 – August 2019)

United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS)

- Created and maintained Microsoft SharePoint site to improve collaboration and communication between agency divisions
- Consolidated Service Level Agreements to track agency costs and services within a fiscal year
- Served on a Geographic Information Systems (GIS) steering committee to utilize spatial technologies to track agency resources
- Compiled weekly activity reports to the Secretary of Agriculture's office

**Conservation Research Intern** (September 2018 – January 2019)

The Wilderness Society (TWS), Bozeman MT

- Studied the conservation of protected areas at Yellow Stone National Park
- Gained knowledge on the application of Geographic Information Systems in ecological conservation science
- Developed research project using spatial and remote sensing technologies to study urban development in DC

### **McNair Scholars Fellowship** (September 2018 – May 2019)

Faculty Advisors: Dr. Hiroyuki Iseki and Ming Hu, School of Architecture, Planning, and Preservation, University of Maryland

- Project Title: “Analyzing V2H, V2V, and V2G Technologies with a Focus on Applications and Benefits to Sustainable Development”
- Completed a literature review on the role of electric vehicles in meeting emerging demands of future cities
- Developed a framework for analyzing the success of Vehicle-to-Home (V2H), Vehicle-to-Vehicle (V2V), and Vehicle-to-Grid (V2G) technologies

### **Senior Capstone Project** (January 2018 – May 2018)

Faculty Mentor: Dr. Jose Luis-Izursa, College of Agriculture and Natural Resources, UMCP

- Worked in a team to design and analyze an aquaponic system to provide optimum conditions for freshwater prawn
- Constructed a low-cost ebb and flow aquaponic system to improve nutrient cycling and improve productivity between aquatic (prawn) and plant species (basils and tomatoes)

### **Undergraduate Research Assistant** (January 2017 – May 2017)

Agroecology Lab, University of Maryland, College Park

- Collaborated with a graduate student to study saltwater intrusion and nutrient cycling on the Lower Eastern Shore of Maryland
- Performed soil and water sample collection and analysis
- Simulated microcosms of soil field conditions in the lab employing various lab techniques

### **Louis Stokes Alliance for Minority Participation (LSAMP) Undergraduate Research Program (URP)** (January 2017 – May 2017)

Center for Minorities in Science and Engineering (CMSE), University of Maryland, College Park

- Prepared an oral and poster presentation on salt water intrusion and its effects on farmland on the lower eastern shore of Maryland
- Participated in a public speaking seminar and a professional writing workshop

### **Undergraduate Research Intern** (February 2016 – August 2016)

Bat Acoustic Traveling Study (B.A.T.S), University of Maryland, College Park

- Participated in an urban wildlife study research project examining the relationship between bat populations and landscape characteristics
- Worked in a team to install, build, and locate, acoustic and weather recording instruments
- Gathered bat acoustic calls, insects, climate data, and tree data across the Mid-Atlantic states of Maryland, Virginia and Delaware on a weekly basis

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## **PROFESSIONAL AND COMPUTER SKILLS**

- ArcGIS
- R programming
- Microsoft Office Suite
- General Laboratory Skills
- Chemical Hygiene Training
- General Fieldwork Skills
- AutoCAD Inventor
- Laboratory Exposure Controls Training

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## **LEADERSHIP AND SERVICE**

### **Program Coordinator and Teaching Assistant** (July 2017 – May 2019)

College Success Scholars (CSS) Program, Office of Multi-Ethnic Student Education (OMSE), UMCP

- Worked closely and collaborated with the director of OMSE, Dr. Christopher Lester, as a Teaching Assistant for a fall seminar course (EDCP104: Diversity Exploration and Academic Strategies)
- Served as a mentor to a group of 25 to 40 scholars to help them develop professionally and academically
- Tracked student progress and program/campus involvement

**Resident Assistant** (January 2016 – May 2019)

Department of Resident Life, University of Maryland

- Managed a unit of 45 to 60 residents and assume primary responsibility for responding to their personal needs
- Developed and facilitated community programs that enable residents to build trusting relationships with one another

**Club Member** (September 2016 – January 2018)

American Ecological Engineering Society (AEES), University of Maryland, College Park

- Promoted sustainable ecological projects in and around the campus community
- Organized stream restoration and clean-up efforts on campus
- Created a community garden that utilizes rain barrels to harvest and store rainwater for watering plants

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**PRESENTATION EXPERIENCE**

Yevo, E. (2019). "Impact of Urban Development in DC". Presented at **NSF INCLUDES conference** *Bringing Conversations on Diversity and Inclusion in Data Science to the Environmental Sciences*. Boulder, CO.

Yevo, E. (2018). "Analyzing V2H, V2V, and V2G Technologies with a Focus on Applications and Benefits to Sustainable Development". Presented at **National McNair Research Symposium**, College Park, MD.

Yevo, E. (2017). "Saltwater Intrusion and Legacy Nutrient Release on Coastal Farmland". Presented at **Undergraduate Research Day**. University of Maryland, College Park, MD.