Vincent OLeary

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Personal Statement

Seeking a position at the expiration of my term with Americorps that will allow me to maximize my 10+ years of experience in science communication and mentoring in order to connect environmental policy and research with the communities and people they affect.

Education

Drexel University: Pennoni Honors College Philadelphia, PA
B.S. Environmental Science - *Cum Laude* 2013 - 2018
Relevant Courses: *Biogeography, Biodiversity, Conservation Biology, Phylogenetic Analysis, Physical Geology, Earth System Processes, GIS & Environmental Modeling, Scientific Data Analysis, Statistics and Probability, Community Mobilization and Advocacy, American Political Thought, Systems Approach to Global Challenges*

Continuing education and certificates

- Nonprofit Board Prep Program, Young Involved Philadelphia (YIP) Philadelphia, PA (2018)
- Rebuilding Native Nations, University of Arizona: Native Nations Institute Tuscon, AZ (2017)

Work Experience

Honeycomb Salon Wheeling, WV
Co-Founder Jan 2019 - Present
Purchased a 23-year-old hair and nail salon and reopened as Honeycomb Salon with my wife and co-founder.

- Transitioned from established brand to new business without losing customers; grew revenue 20% in first 6 months
- Managed inventory of 200+ products for sale; maintain relationships with 900+ customers

Carnegie Science Center: Center for STEM Education and Career Development Pittsburgh, PA
Americorps VISTA for Development Sep 2018 - Present
First Americorps VISTA hire at Fab Lab makerspace facility within Carnegie Science Center. Supervised flagship youth mentoring program and doubled enrollment to 40 participants year over year.

- Authored guidebook on one-year timeline to introduce first-of-its-kind mentoring program to global Fab Lab network
- Evaluated success of mentoring program through interviews and informal conversations with participants
- Recognized nationally as “Most Innovative Maker-Centered Learning Program of the Year” by US2020 and Citizen Schools

White House Office of Science and Technology Policy: U.S. Global Change Research Program Washington, DC
Truman Scholarship Summer Institute Intern (Chris Avery , PhD.) Jun - Jul 2018
Recognized for exemplary contributions towards the publication of Volume II of the 4th National Climate Assessment, an inter-agency effort coordinated by the White House to identify and explain the risks of climate change to policymakers.

- Liaised with team of lead authors of each of 30+ chapters to draft imagery requirements for Volume II
- Recommended portfolio of publicly available images by agreed to deadline for each of 30+ chapters in Volume II

Academy of Natural Sciences of Drexel University Philadelphia, PA
+ Curatorial Assistant for Vertebrate Paleontology (Ted Daeschler, PhD.) Dec 2013 - Dec 2017
+ Biodiversity Informatics Research CO-OP (Steve Dilliplane) Mar - Sep 2016
+ Geographic Information System (GIS) Research CO-OP (Jerry Mead, PhD.) Mar - Sep 2015

- Spearheaded modernization of digital vertebrate paleontology database, doubling size by cataloging 9000+ new records
- Invented automated processes to combine databases from 6 departments that each use different Symbiota, Microsoft Excel, and FileMaker Pro databases
- Visualized snail biodiversity for 600+ sampled locations in Jamaica using ArcGIS, QGIS, and R

Vincent OLeary

NOAA: National Centers for Environmental Information Boulder, CO
NOAA Hollings Scholarship Intern (Chris Amante, PhD.) Jun - Aug 2017

- Completed a standardized global model of elevation at improved 30 arc-second resolution using ArcGIS

Drexel University: Office of Undergraduate Research Philadelphia, PA
Students Tackling Advanced Research (STAR) Scholar (Daniel Duran, PhD.) Jun - Aug 2014

- Forecasted range expansion due to climate change of invasive crayfish using MaxEnt

Volunteer Experience

St. Thomas Aquinas Catholic Community Center Philadelphia, PA
English for Speakers of Other Languages Instructor 2018

- Taught 15+ adult learners for 2 hours per week in immigrant community of 3 main non-English languages

GEAR UP: Gaining Early Awareness and Readiness for Undergraduate Programs Philadelphia, PA
Drexel Community Scholar for After-School Learning June 2016 - June 2018

- Instructed 50+ students in 9th and 10th grade science classrooms
- Directed and trained a team of Drexel student volunteers to arrange after-school STEM activities for 30+ students in 3rd and 4th grade
- Invited to be a guest lecturer in 5th grade science classroom

Drexel University: College of Arts and Science Philadelphia, PA
Contributing Instructor for Community Based Learning Curriculum 2014 - 2015

- Created a new community-based learning course for 18 students at Drexel University

Oglebay Good Zoo Wheeling, WV
Educator 2008 - 2013

- Directed educational activities including summer camps for 4 to 6-year-old children for 40 hours per week

Awards and Grants

Drexel University Fellowships Graduation Award *($1,000)*	2018
James C. Gaither Junior Fellows program university nominee	2018
Harry S. Truman Scholarship *($30,000+)*	2017
Morris K. and Stewart L. Udall Scholarship *($7,000)*	2017
Society for Science and the Public Advocacy Grant *($3,000)*	2017
Drexel University Arcadia Grant *($3,000)*	2017
NOAA Ernest F. Hollings Scholarship *($26,000+)*	2016
Drexel University ExCITe Center Seed Fund Research Grant *($5,000)*	2016
Drexel University Steinbright Corporate Partners Grant *($4,000)*	2016
Intel (now Regeneron) Science Talent Search by Society for Science and the Public National Finalist	2013

Publications

3 - Amante, C., **V. O'Leary** (TBD), GLOBATO: An enhanced global relief model at 30 arc-seconds resolution. *Report in preparation for publication by NOAA.*
2 - Seltmann, K., S. Lafia, D. Paul, . . . **V. O'Leary,** *et al.* (2018), Georeferencing for Research Use (GRU): An integrated geospatial training paradigm for biocollections researchers and data providers. Research Ideas and Outcomes 4: e32449.
1 - USGCRP (2018), Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II [Reidmiller, D.R., C.W. Avery, *et al.* (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, 1515 pp.

Vincent OLeary

Oral Presentations

11 - **O'Leary, V**. (2018), How to create a new map of the world. Presented at Week of Undergraduate Excellence, Drexel University, Philadelphia, PA, 14-18 May.
10 - **O'Leary, V**., C. Amante (2018), GLOBATO: An enhanced global relief model at 30 arc-seconds resolution. Presented at Student Conference on Global Challenges, Drexel University, Philadelphia, PA, 1 Mar.
9 - **O'Leary, V**., C. Amante (2017), GLOBATO: An enhanced global relief model at 30 arc-seconds resolution. Presented at Science and Education Symposium, NOAA, Silver Springs, MD, 1-3 Aug.
8 - Shirey, V., **V. O'Leary**, S. Dilliplane (2017), More Than a Map: Adventures in Biodiversity Informatics Visualization. Presented at 2017 Annual Meeting, SPNHC, Denver, CO, 18-24, Jun.
7 - **O'Leary, V** (2017), Digitization of the ANSP Vertebrate Paleontology collections. Presented at Week of Undergraduate Excellence, Drexel University, Philadelphia, PA, 1-5 May.
6 - **O'Leary, V** (2017), Building Communities around a Shared River. Presented at Week of Undergraduate Excellence, Drexel University, Philadelphia, PA, 1-5 May.
5 - **O'Leary, V** (2017), From Online to On the River: Opportunities for Data Storytelling. Presented at River Research Seminar, University of Pennsylvania, Philadelphia, PA, 28 Apr.
4 - **O'Leary, V**., M. Sei, G. Rosenberg and J. Mead (2016), Modeling species distributions of landsnail biodiversity. Presented at National Conference on Undergraduate Research, University of North Carolina, Asheville, NC, 7-9, Apr.
3 - **O'Leary, V**., M. Sei, G. Rosenberg and J. Mead (2016), Describing multivariate relationships and spatial distributions of snail biodiversity in Jamaica. Presented at BEES Research Day, Drexel University, Philadelphia, PA, 10 Mar.
2 - **O'Leary, V**., T. Daeschler (2016), Building an urban ecology curriculum along the Schuylkill River walking trail. Presented at Student Conference on Global Challenges, Drexel University, Philadelphia, PA, 25 Feb.
1 - **O'Leary, V** (2016), 1 Footpath, 100 Stories: Climate change and the importance of "talking science". Presented twice at Undergraduate Research Nerd Night, Drexel University.

Poster Presentations

8 - **O'Leary, V**., C. Amante (2017), GLOBATO: An enhanced global relief model at 30 arc-seconds resolution. Abstract OS31C-1412 presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.
7 - *(declined)* **O'Leary, V**., V. Shirey, and S. Dilliplane (2017), Connecting natural history collections to their historical context and telling those stories to a global online audience. Annual Meeting, ESA, Portland, OR, 6-11 Aug.
6 - Shirey, V., **V. O'Leary**, and S. Dilliplane (2017), Big Data Opportunities in Ecological and Biodiversity Informatics: A Functional Trait Perspective. Presented at Digital Data in Biodiversity Research Conference, iDigBio, Ann Arbor, MI, 5-6 Jun.
5 - **O'Leary, V**., M. Sei, G. Rosenberg and J. Mead (2016), Describing multivariate relationships and spatial distributions of snail biodiversity in Jamaica. Presented at Stanford Research Conference, Stanford University, Stanford, CA, 15-17 Apr.
4 - Raphelson, M., **V. O'Leary**, A. Adams, K. Luckenbill and T. Daeschler (2016), Student projects using digital imaging techniques in Vertebrate Paleontology to capture new details of Late Devonian-age fossils. Presented at BEES Research Day, Drexel University, Philadelphia, PA, 10 Mar.
3 - **O'Leary, V**., M. Sei, G. Rosenberg and J. Mead (2016), Describing multivariate relationships and spatial distributions of snail biodiversity in Jamaica. Presented at National Collegiate Research Conference, Harvard University, Cambridge, MA, 21-23 Jan.
2 - **O'Leary, V**., D. Duran (2014), Niche Modeling for Management of Invasive Crayfish. Presented at STAR Scholars Summer Showcase, Drexel University, Philadelphia, PA, 27 Aug.
1 - **O'Leary, V**., Z. Loughman (2014), A Multi-Year Analysis of *Orconectid* Crayfish Invasion Dynamics in West Virginia Utilizing Laboratory and Field Methodologies. Presented at COAS Research Days, Drexel University, Philadelphia, PA, 17-18 Feb.

Additional

Interpersonal Skills - Public speaking, Technical presentations, Program/processes documentation, Meeting planning, Formal and informal youth education, Curriculum development, Event planning, Community outreach, Stakeholder engagement, Project management, Technical writing, Remote working

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Computer Skills - Proficient at Microsoft Office Suite (Word, Excel, PowerPoint), Outlook email, FileMaker Pro, Markdown (this resume's source); Intermediate at HTML/CSS, SQL, Git/GitHub, LaTeX, ArcGIS/QGIS; Learning R, Python, Swift

Field and Lab Skills - Managing lab notebooks, Titration, Filtration, RTK/PPK and laser level surveying, Open channel hydraulic surveys, Backpack electrofishing, Radio-telemetry, Scanning electron (SEM) and petrographic microscopy, Statistical data analysis