

Vincent J. O’Leary

✉ vincentoleary@drexel.edu
💻 vincentoleary.com
🐙 github.com/vjoleary
🌐 [linkedin.com/in/vjoleary](https://www.linkedin.com/in/vjoleary)

Education

Drexel University, Philadelphia, PA, Pennoni Honors College, expected graduation date June 2018
B.S. Environmental Science (Ecology concentration), *Geoscience and Mathematics minors*

Reykjavik University, Reykjavik, Iceland, studied abroad through the GREEN Program winter 2015

Academic and Professional History

Curatorial Assistant (Ted Daeschlar, Ph.D.) Since 2013
Vertebrate Paleontology Department, Academy of Natural Sciences Philadelphia, PA
• Curate, develop and publish a digital database of 20,000+ specimens and make available online
• Describe morphology of fossils using scanning electron microscopy and 3D imaging techniques

Biodiversity Informatics Research CO-OP (Steve Dilliplane) Mar 2016 - Sep 2016
Center for Systematic Biology and Evolution, Academy of Natural Sciences Philadelphia, PA
• Migrated 8860 records into new FileMaker Pro and implemented standardized date fields
• Developed automated work-flow in MySQL to import distinct Symbiota and FileMaker Pro databases into a single Specify repository using DarwinCore metadata standards

Geographic Information System (GIS) Research CO-OP (Jerry Mead, Ph.D.) Mar 2015 - Sep 2015
Patrick Center for Environmental Research, Academy of Natural Sciences Philadelphia, PA
• Analyzed Jamaican landsnail biodiversity for 600+ sampled locations using ArcGIS, QGIS, and R
• Surveyed river topography using bar-code and laser level techniques and sampled aquatic macroinvertebrate diversity near hydraulic fracturing well pads

Professional and Community Service

Lindy Center Community Scholar for "Connections in STEM" after school program in West Philadelphia elementary schools Since Apr 2016
Co-creator of new community based learning course at Drexel centered around urban ecology and scientific communication, offered to 18 students in the fall term 2014
Volunteer for Date Refuge Project Since Jan 2017
Student Ambassador for Drexel Fellowships Office Since Oct 2016
Founding member of two student professional societies at Drexel University, the Drexel Naturalist Association and the Paleontology and Geology Club Since Oct 2014
Phi Kappa Psi Fraternity Since Dec 2013
Drexel Smart Initiatives Program - Drexel Smart House Project Sep 2013 - Sep 2015
Education Department for Oglebay Good Zoo. Wheeling, WV Apr 2009 - Sep 2013
Eagle Scout of the Boy Scouts of America Awarded Jul 2010

Presentations

7. Raphelson, M., **V. O'Leary**, A. Adams, K. Luckenbill and T. Daeschler. Student projects using digital imaging techniques in Vertebrate Paleontology to capture new details of Late Devonian-age fossils. *Drexel University Research Day*, 2016.
6. **O'Leary, V.**, T. Daeschler. Building an urban ecology curriculum along the Schuylkill River walking trail. *Student Conference on Global Challenges*, 2016.
5. **O'Leary, V.** 1 Footpath, 100 Stories: Climate change and the importance of "talking science". *Presented twice for Drexel University's Undergraduate Research Nerd Nite*, 2016.
4. **O'Leary, V.**, M. Sei, G. Rosenberg and J. Mead. Defining spatial distributions of landsnail biodiversity in Jamaica. *Presented at National Conference on Undergraduate Research, Stanford Undergraduate Research Conference, & Harvard Undergraduate Research Conference*, 2016.
3. **O'Leary, V.**, D. Duran. Niche Modeling for Management of Invasive Crayfish. *STAR Scholars Summer Showcase Program*, 2014.
2. **O'Leary, V.**, Z. Loughman. A Multi-Year Analysis of Orconectid Crayfish Invasion Dynamics in West Virginia Utilizing Laboratory and Field Methodologies. *Intel Science Talent Search Competition*, 2013.
1. **O'Leary, V.**, Z. Loughman. Habitat Preferences and Movement Patterns of Invasive Virile Crayfish Determined by Radio-Telemetry. *National Junior Science and Humanities Symposium*, 2013.

Workshops and Conferences attended

4. PHENND 2016 Annual Service Leaders Summit. Philadelphia, PA.
3. iDigBio Georeferencing for Research Use Workshop. 2016. Santa Barbara, CA.
2. Ecological Society of America 2015 Annual Meeting. Baltimore, MD.
1. Geological Society of America 2015 Annual Meeting. Baltimore, MD.

Awards and Grants

2016 - National Oceanic and Atmospheric Administration (NOAA) Ernest F. Hollings Scholarship
2016 - Drexel University ExCITE Center Seed Fund Research Grant (**\$5,000**)
2016 - Drexel University Steinbright Corporate Partners Scholarship
2016 - American Leadership Academy NBD Scholarship
2015 - Drexel University Office of Undergraduate Research SuperNova Fellow
2013 - Minor planet 28592 named "O'Leary" by MIT Lincoln Laboratory in recognition for being 1 of 40 finalists of the Intel Science Talent Search
2012 - Drexel University Tuition Scholarship

Professional Societies

American Association for the Advancement of Science (AAAS)	Since 2017
Ecological Society of America (ESA)	Since 2014
Geological Society of America (GSA)	Since 2014
Society for Science and the Public (SSP)	Since 2009