

Claire Kemick

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Education

Tulane University — New Orleans, LA

Current

Graduate Research Assistant, River-Coastal Science and Engineering

University of Pittsburgh— Pittsburgh, PA

April 2023

Bachelor of Science in Environmental Science, Minor in Architectural Design

Related Coursework: GIS, GPS, and Computing Methods, Groundwater Hydrology, Surface Water Hydrology (audit), Mathematics for Chemists, Ecosystems Ecology, Geomorphology, Architecture Studio, Digital Media + Design (1&2)

Skills

Coding and Mapping—RStudio, ArcGIS

Design—Revit, Rhino (Grasshopper extension), AutoCAD, InDesign, Illustrator

Related Employment

Program Assistant for Member Outreach and Affiliate Organizations,

Student Office of Sustainability— Pittsburgh, PA

July 2021—Present

- Maintain communication between the 19 organizations that operate under the Student Office of Sustainability & send monthly newsletters to 500+ students containing opportunities in sustainability on and around campus
- Organize monthly meetings with ~70 members of the Affiliate Organizations, so they can network and spread awareness of their organizations to other students
- Collaborate with other offices on campus to build and plan the University of Pittsburgh's first Sustainability Career Panel with panelist from local sustainable sectors
- Build the University's first sustainability alumni database, so that current and future students have a network of alumni to build professional relationships surrounding environmentalism

Engineering Scientific and Technical Intern,

PA Dept. of Environmental Protection— Pittsburgh, PA

May 2022—Aug 2022

- Used qualitative coding to code over 1,300 public response comments regarding Pennsylvania's Environmental Justice Policy
- Collaborated with engineers, inspectors, policy specialists, and legal experts to form responses and gain experience in their areas
- Researched and effectively communicated grants and opportunities through a monthly newsletter
- Formulated information sheets on topics such as Illegal Dumping and Warehousing through an environmental justice lens
- Utilized census data, public policy comments, and GIS to define what areas constitute "Environmental Justice Areas" in Pennsylvania

Research

Undergraduate Research, Gardner Lab-

Estimating riverine net primary productivity using Landsat— Pittsburgh, PA

Jan 2023—Present

- Develop a simple approach to estimate gross primary production (GPP) in large U.S. rivers using remote sensing proxies
- Build a generalized model from U.S. rivers that could predict GPP using multiple linear regression and statistical models

Undergraduate Research Assistant, Richards-Zawacki Lab-

Soil feedbacks as a mechanism underlying exotic plant invasions in riparian

forests; using mesocosms to evaluate plant-soil feedbacks— Pittsburgh, PA

Jan 2022–April 2022

- Performed soil analyses (pH, water-holding capacity, and loss of ignition) to measure the colonization of mycorrhizal fungi in root samples in collaboration with PhD candidate and lab staff
- Gathered information on the growth and fitness of the affected and unaffected plants through positive and negative feedback loops

Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary

Science— Pittsburgh, PA

Aug 2020–May 2021

- Discovered, isolated, and characterized of a bacteriophage virus using microscopes, micropipettes, and chemical manipulation
- Published phage information to an online database to be used by future students and researchers

Leadership & Awards

Epsilon Eta, Delta Chapter: Environmental Honors Society,

Fundraising Chair— Pittsburgh, PA

Jan 2021–Present

Blue and Gold Society,

External Committee— Pittsburgh, PA

March 2020–Present

Student Sustainability Award, Office of Sustainability— University of Pittsburgh

2023