Polly Sea

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EDUCATION

Carnegie Mellon University, H. John Heinz III College, Pittsburgh, PA   May 2021
Master of Science, Public Policy and Management

The Pennsylvania State University, University Park, PA
Bachelor of Science, Energy and Sustainability Policy   May 2017

COURSEWORK

Policy: Urban Economic Development, Environmental Policy & Planning, International Policy & Politics
Technology: Statistics with R, Applied Econometrics I, Data Visualization & Dashboards, Cost Benefit Analysis
Management: Evidence-Based Management, Management Science, Management Consulting

SKILLS

ArcGIS, Python, R, Stata, Word Press, Microsoft Visio, Spanish and French

ACADEMIC PROJECTS

InnovatePGH – Carnegie Mellon University   January 2020 - April 2020
Consultant, Spatial Analysis and Mapping
Developed interactive GIS maps to illustrate the economic workforce development pipeline effects of $1.2 billion research and development activities of the City of Pittsburgh's Innovation District.

Geographic Information Systems – Carnegie Mellon University   October 2019 - December 2019
Project Manager: Smart Cities: Redevelopment of the Steel City
- Utilized statistical methods and GIS software to analyze population density, traffic and parking patterns
- Collaborated with team to present data insights to senior leadership regarding city grid suggestions

PROFESSIONAL EXPERIENCE

Environmental Defense Fund, New York City, NY   May 2020 - August 2020
Clean Energy Fellow
- Provided research & analytical support for the Clean Energy Strategy Team for the Paris Climate Agreement
- Created a landscape analysis of government agencies involved in transportation systems throughout the U.S.
- Participated in climate resilience and energy events hosted by the Climate Reality Project

National League of Cities, Washington D.C.   August 2017 - July 2019
Program Manager – Youth and Young Adult Connection
- Managed sponsorship requests, invites, and invoices which generated $60,000 in pledged sponsorship and registration fees to implement an annual conference for 200-300 drop-out reengagement educators
- Created guides, presentations, and materials to deliver advice on program formation, outreach, and recruiting strategies for alternative education drop out reengagement programs
- Arranged and delivered blog posts, briefs, web forums, newsletters, and teleconferences for a network of 500 education professionals
- Designed phone survey to obtain feedback on 2-year cohort project of 6 cities receiving technical assistance on nature promotion strategies

LEADERSHIP EXPERIENCE

President | Students for Urban Data Systems   January 2020 - Present
Secretary| Environmental & Sustainable Development Group   November 2019 - Present
Diversity Mentor | The Heinz Council for Diversity, Richness & Inclusion   May 2020 - Present