

Karly Soldner

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Education

Drexel University, Philadelphia, PA

Bachelor of Science in **Environmental Science**, Anticipated Graduation: June 2017

Concentration: **Earth Science** Minors: **Biology** and **Interactive Digital Media**

GPA: 3.44

Honors

Drexel University Pennoni Honors Program, 2012 - Present

Skills

- Technological: Microsoft Office, Wordpress, Arduino/C++, HTML/CSS, Adobe Lightroom and Photoshop
- Scientific: aseptic bacterial media preparation and streaking, algal/invertebrate field sampling, gel electrophoresis

Experience

Philadelphia Water Department, Philadelphia, PA

Environmental Monitoring and Research Assistant, April to September 2016

- Processed, analyzed, and published data assessing health of Philadelphia's rivers and streams
- Deployed, maintained and calibrated cloud-based soil moisture sensor network for rain gardens
- Consulted on technology solutions for outdoor classroom projects
- Conducted STEM educational outreach regarding urban water systems in Philadelphia schools
- Produced and managed web and social media content for a STEM education partnership website

Hochschule Osnabrück, Osnabrück, Germany

Research Assistant, April to September 2015

- Created and conducted assessment of seed dispersal limitation of native dry grassland species in urban brownfields
- Assisted with other projects relating to field margin ecology, urban grassland succession, germination rates, and green roofing substrates

Bioko Biodiversity Protection Program, Malabo, Equatorial Guinea

Field Researcher, October 2014 to December 2014

- Created and conducted baseline observation experiment of mammalian and avian seed dispersal vectors in Central African rain forest

GreenTreks Network, Philadelphia, PA

Communications Coordinator, April to September 2014

- Coordinated social media promotion for local watershed events
- Co-taught Climate & Urban Systems Partnership curriculum to high schoolers
- Wrote and published stormwater and environmental education newsletters for subscribers

Drexel University Department of Culture and Communications, Philadelphia, PA

Researcher, October 2013 to September 2014

- Tracked the funding of climate change denial groups by reviewing public records

Drexel University Biology Department, Philadelphia, PA

Laboratory Preparation Aide, October 2012 to April 2014

- Poured aseptic media plates and streaked and incubated bacteria for educational laboratory use

The Academy of Natural Sciences of Drexel University, Philadelphia, PA

Patrick Center for Environmental Research Field/Project Assistant, June to November 2013

- Collected and processed water chemistry, fisheries, macro invertebrate and algal field collections