

ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

San Francisco, CA

Consultant I

Mr. Loken joined E3 in 2019 and advises E3 clients on strategies to achieve economy-wide deep decarbonization targets. He joined E3 after earning an M.S. in energy systems management from the University of San Francisco, where his master's project involved developing an integrated resource plan (IRP) for a Colorado utility that examined the future electricity system under a range of policy scenarios. He also researched federal energy policies that could serve as precedents for decarbonization action. Prior to his graduate program, Mr. Loken worked as a GIS analyst for an LED street lighting firm and the City of Santa Clara. In addition to his M.S., Mr. Loken earned a B.S. in Environmental Science from Santa Clara University.

UNIVERSITY OF SAN FRANCISCO

San Francisco, CA

Research Associate

November 2018 – May 2019

- Researched historical technology deployments and economic transformations occurring at quantifiable rates similar to those necessary for transition to a low-carbon United States energy system
- Evaluated the role of federal government policy intervention in driving rapid technological and economic changes in the energy sector
- Analyzed large datasets to gain insights into relevant trends, designed figures and tables, and prepared research briefs and presentations

TANKO STREETLIGHTING, INC.

San Francisco, CA

Data Analyst

January 2018 – October 2018

Project Design Manager

November 2016 – January 2018

Project Associate

February 2016 – November 2016

- Translated both field and utility data into a variety of high-quality, user-driven map products, including client-facing reports and maps to guide field staff
- Performed data reconciliation, spatial analysis, and geoprocessing of large datasets; reviewed and processed field data for accuracy, quality and completeness
- Managed large, dynamic GIS datasets in ArcMap to drive accurate, streamlined project implementation
- Performed quantitative analyses on electricity and energy cost savings for municipalities and make recommendations to clients based on the results

CITY OF SANTA CLARA*GIS Intern*Santa Clara, CA
June 2015 – October 2015

- Contributed to a large-scale project to identify and map every utility easement in the city of Santa Clara in ArcGIS using easement documents, parcels maps, land surveys, and land deeds
- Assisted GIS staff with field data collection, data entry, and quality assurance of utility easement records

SANTA CLARA UNIVERSITY*Research Assistant*Santa Clara, CA
September 2014 – June 2015

- Studied the distribution of particulate matter pollution from highways in Santa Clara County and its effects on vulnerable populations, most notably schoolchildren

EducationUniversity of San Francisco
*M.S., Energy Systems Management*San Francisco, CA
2019Santa Clara University
*B.S., Environmental Science (Cum Laude)*Santa Clara, CA
2015**Citizenship**

United States