



Sam Kramer

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Consultant*

San Francisco, CA

Mr. Kramer joined E3's Bulk Grid group in 2021. He supports resource adequacy and reliability analyses and is currently supporting the NYISO in an ELCC stakeholder engagement. He previously spent two and a half years as a data scientist at Myst AI, developing short-term forecasting models for a variety of clients and use cases across the electricity sector. Prior to that, he obtained a B.S. and M.S. in Civil and Environmental Engineering (Atmosphere/Energy track) at Stanford University.

MYST AI *Data Scientist*

San Francisco, CA
December 2018 – July 2021

- Developed and deployed short-term load, price, and market imbalance forecast models for clients yielding 30-60% improvement over existing solutions
- Automated performance monitoring of production forecast models using Google Cloud Platform
- Key contributor to internal codebase used to develop models and conduct time series analyses
- Contributed to design and construction of internal AutoML pipeline for model development
- Visualized and communicated analyses of model performance to clients

BLOCPower *Engineering Intern*

New York, NY
June 2016 – August 2016

- Conducted on-site energy audits for 40 low-income multi-family residence buildings
- Wrote reports detailing efficiency upgrade strategies and estimated savings for 15 buildings
- Built an optimized urban microgrid simulation model in Python

TERRESTRIAL PALEOCLIMATE GROUP *Research Assistant*

Stanford, CA
January 2015 – September 2015

- Built computational model in R for estimating plant productivity from geologic samples
- Contributed to research published in *Frontiers in Earth Science* as "High-Resolution Stable Isotope Paleotopography of the John Day Region, Oregon, United States"

Education

Stanford University
M.S., Civil and Environmental Engineering
B.S., Civil and Environmental Engineering

Palo Alto, CA
June 2018

Citizenship

United States