

Victoria Cutler

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EDUCATION

Master of Environmental Data Science, 3.98 GPA (June 2023)

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Highlighted Coursework: Databases, Environmental Modeling, Machine Learning, Statistics, Python

Bachelor of Arts with Distinction in Environmental Science, 3.82 GPA (May 2018)

Colorado College, Colorado Springs

Study Abroad: Banking, Finance, and Social Responsibility Program – Geneva, Switzerland

ENVIRONMENTAL DATA SCIENCE PROJECTS

Automating Climate Scenario Creation for Wildfire Modeling – Master’s Capstone Project (1/23–6/23)

Developed a user-friendly interactive web application, with real-time data mining, for researchers to efficiently construct diverse sets of climate scenarios for more efficient and accurate wildfire prediction.

The Effects of Soil Temperature on Seedling Growth in Pikes Peak, Colorado – Senior Thesis (8/17–5/18)

Collected and utilized remote sensing and drone imagery to gather soil temperature, relative humidity, wind speed, tree height, tree health, and shadowing data. Transformed and analyzed these data using ArcMap GIS and statistical software to evaluate and communicate the impact of climate change on the local tree line.

ENVIRONMENTAL DATA SCIENCE & ELECTRIC GRID EXPERIENCE

EV Realty, San Francisco, CA

Data Scientist (11/23–Present)

- Stay tuned!

Pacific Gas and Electric (PG&E), San Francisco, CA

Senior Strategic Analyst, Energy Efficiency (EE) Policy (10/21–5/22)

- Oversaw the request of \$1B for electrification, decarbonization, integrated demand side management technologies, financing, equity, and wildfire resiliency, which culminated in a 600+ page strategic plan.

Program Manager, Distributed Generation (12/19–9/21)

- Successfully launched two new programs, Green Saver and Local Green Saver, and provided strategic management over a third program, DAC-SASH. All initiatives were dedicated to increasing solar adoption and securing financial benefits for low-income customers in disadvantaged communities.

Data Analyst, Emergency Operations Center (10/19–8/20)

- Analyzed big data in SQL, R, and Python during PG&E’s first Public Safety Power Shutoff events, an emergency response to shutoff power on electric lines when wildfire-risk is high.
- Volunteered for 12-hour shifts on an as-needed basis to help communities prepare for outages.

Rotational Data Analyst, Demand Response Operations (1/19–12/19)

- Automated complex calculations to approximate demand response intervention impacts, ensure compliance, and settle payouts with the California Independent Systems Operator.
- Streamlined intervention impact calculations by evaluating statistically sound sampling strategies.
- Developed a reusable and reproducible script to reconcile and cleanup demand response data.

Rotational Data Analyst, Measurement, Data Analytics & Products – Energy Efficiency M&V (8/18–1/19)

- Optimized existing open-source code to incorporate reproducible SQL code to predict commercial customer suitability for non-traditional pay-for-performance energy efficiency programs.
- Designed a configurable script to create targeted lists of customers that fit certain energy consumption patterns for various third-party EE programs.

SKILLS

Languages & Environments: Bash/Command Line, GitHub, GIS (ArcGIS Online, ArcMap), Jupyter, Microsoft (Excel, Word), Python, R, RStudio, SQL, SQLite, Tableau, Terminal, VS Code