

Education

- UC Berkeley** – Master of Information and Data Science (Part Time) *Expected Graduation: Fall 2022*
- Coursework: Machine Learning at Scale, Systems Engin., Data Engin., Statistics, Research Design, Causal Experiments
- UC Berkeley** – B.S. Mechanical Engineering *2016*
- Coursework: Energy Engineering & Policy, Robotics & Controls, Physics, Calculus & Linear Algebra, and Business

Skills and Tools

- Programming:** Python, R, Matlab, SQL, CLI
- Cloud Eng. & Dev Ops:** Spark, GCP, Databricks, Kubernetes
- Version Control:** GitHub, Docker
- Prod Management:** Certified Scrum Product Owner

Experience

ENEL-X, SENIOR SOLUTIONS ENGINEER

DER & ENERGY STORAGE SALES ENGINEERING, REMOTE

2020 - Current

- Analyze the technical & economic potential and support the sales cycles and business development for behind-the-meter & front-of-the-meter distributed energy resources, such as stand-alone storage, solar + storage, EV charging, and microgrids for commercial & industrial customers and technology partners
- [Presented a 60 min webinar to 1000+ attendees](#) on the benefits of solar + storage for grid operators and energy markets
- Use R and Python forecasting tools and optimization models to forecast revenue generated from dispatching DER assets in energy markets, utility demand management programs, and customer bill management and energy arbitrage services

GUIDEHOUSE CONSULTING (FORMERLY NAVIGANT), SENIOR CONSULTANT

DATA ANALYTICS AND MODELING GROUP – CLEAN ENERGY PRACTICE, CA

2016 - 2020

- Performed intensive data analysis for residential, commercial, and industrial clients to drive insightful business strategies, including utility data and billing analysis, rate design, and clean energy programs statistical evaluations
- Developed energy efficiency and demand response (DR) econometrics models for several American and Canadian utilities/regulators. Created customized solutions and dashboard results to ensure client's specific needs are addressed
- Led a stakeholder workshop (40+ participants) to discuss how custom incentives should be redesigned to address California energy needs, including: net energy metering, grid reliability locational and time-of-day concerns, and technology specific incentives for targeting high impact end uses and below code savings

PACIFIC GAS & ELECTRIC CO, INTERN

PERFORMANCE TESTING AND APPLIED TECHNOLOGY SERVICES, CA

2014, 2015

- Analyzed hourly performance of PG&E's statewide photovoltaic sites and verified system integrity for its gas lines
- Conducted battery and smart inverter hardware testing to maximize utility grid storage and DR capabilities

UNITED STATES DEPARTMENT OF ENERGY, INTERN

PACIFIC NORTHWEST NATIONAL LABORATORY, WA

Summer 2013

- Conducted API quality assurance testing for a DOE CAD energy modeling software tool
- Developed an Energy Efficient Retrofit Guide tailored to unique commercial building types

Leadership & Clean Energy Advocacy

ON DECK

CLIMATE TECH FELLOW

Summer 2021

- Connected with climate tech entrepreneurs and investors with deep and diverse subject matter expertise to exchange ideas, accelerate each other's careers, to help advise/build impactful climate tech startups

CLEAN ENERGY LEADERSHIP INSTITUTE, FELLOW & FELLOWSHIP COORDINATOR

2019 - 2020

FELLOW, SAN FRANCISCO

- Published a [Utility Dive](#) article detailing how CA can significantly increase its solar energy production the CA Energy Commission's Codes and Standards Program and outlined how DR stakeholders can engage with CEC/regulators
- Developed and presented a business start-up to a VC panel for a microgrid consulting company to provide CA critical facilities in fire risk zones with project financing, grid interconnection, technical expertise

FELLOWSHIP COORDINATOR (remote due to COVID19 pandemic)

- Designed the online fellowship curriculum and provided weekly readings, news articles, and podcasts for 20 lectures
- Recruited influential speakers and coordinated the lectures for 30+ fellows energy technology, policy, and finance topics

UC BERKELEY SUPER MILEAGE VEHICLE TEAM² - PRESIDENT

2013 - 2016

- Led the hardware and software design and construction of a [prototype vehicle](#) with a fuel efficiency of 1,000 mpg