Les Armstrong

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. Boston, MA
Associate

Mr. Armstrong supports E3's Integrated System Planning practice area. He joined E3 after completing masters' degrees in technology and policy and electrical engineering & computer science from Massachusetts Institute of Technology. While at MIT, he worked at the MIT Energy Initiative where he led a team performing energy systems modeling assessing hydrogen storage in salt caverns. In addition to his M.S. from MIT, Mr. Armstrong holds a B.S. in Physics from the University of California, Santa Barbara.

MIT ENERGY INITIATIVE Cambridge, MA
Graduate Research Assistant 2021 – 2024

- Led a team of four to perform energy systems modeling with GenX and DOLPHYN to assess geological H2 storage in salt caverns for multi-vector, low carbon energy systems and their roles under deep decarbonization scenarios

WOOD MACKENZIE Boston, MA
Energy Storage Analyst Summer Intern 2022

- Updated database and performed data analysis of US utilities' Integrated Resource Planning (IRP) documents.
- Contributing author of the Thriving Solar & Storage California market insight (published August 2022)
- Internal deep dive analysis and report of interconnection queue and transmission problems in the US

KHEPRA San Francisco, CA
Energy Market Analyst Consultant 2020 – 2021

- Determined the optimal location for Khepra's pilot plant in CA using Python-based optimization modeling with data set inputs from CAISO energy markets on GHG, congestion and Location Marginal Pricings (LMPs)
- Led a team of five to perform market research on CAISO energy market.

CLEAN ENERGY TRANSFORMATION LABORATORY Santa Barbara, CA
Research Assistant 2019 – 2021

- Built an open-source software in Python that compared costs of renewable energy production with costs of fossil-based fuel with adjustable parameters by performing resolution optimization algorithm on open source weather datasets.

- Contributing author and assistant researcher of academic paper: Enabling a low-carbon electricity system for Southern Africa

Education

Massachusetts Institute of Technology — Cambridge, MA
M.S., Technology and Policy — May 2024
M.S., Electrical Engineering & Computer Science — May 2024

University of California, Santa Barbara — Santa Barbara, CA
B.S., Physics — May 2020