

Matt Motoki

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EXPERIENCE

Lead Data Scientist at Shifted Energy (Part-Time) — Honolulu, **AUGUST 2021 – PRESENT**

- Leading the development of control and forecasting algorithms for electrical devices.
- Algorithms are used in thousands of devices worldwide.

Senior Data Scientist at H2O.ai — Mountain View, CA **MAY 2020 – JULY 2021**

- Developed and implemented new algorithms and features for the company's AutoML software.
- Worked with customer-facing data scientists to solve problems for Fortune 500 companies.

Senior Data Scientist at Iterable — San Francisco, CA **JUNE 2019 – MARCH 2020**

- Developed machine learning methods for terabyte-scale engagement prediction.
- Sped up parts of the feature engineering pipeline using iterative feature updates.

Data Science Consultant — Honolulu, HI **JULY 2017 – JUNE 2019**

- Worked with various clients to analyze data, develop predictive models, and create dashboards.
- Clients included a UK-based remote sensing startup, researchers, and various local startups.

Data Scientist at HiVet Solutions — Honolulu, HI **MARCH 2016 – MAY 2017**

- Worked with the HR and Finance departments to optimize hiring and salary compensation.

EDUCATION

MS in Electrical Engineering, GPA: 4.00, University of Hawai'i at Mānoa **GRADUATED DECEMBER 2015**

- Optimized water heaters using reinforcement learning techniques.
- Presented research at the 2015 International Joint Conference on Neural Networks.

BS in Mathematics, GPA: 3.76, University of Hawai'i at Mānoa **GRADUATED AUGUST 2014**

- Researched inner Earth dynamics to better simulate convergent plate boundaries.
- Published a paper in the American Geophysical Union journal G-Cubed.

PROJECTS

- [Kaggle Competitions Grandmaster](#): Ranked as high as 18th in overall global rankings.
- [Hawaii ML Meetup Organizer](#): Hosted meetups, study groups, and an ML competition.
- [Cell Division](#): Created a biology-inspired board game with an AI opponent.

PRIZES & AWARDS

- 1st Place in the [NeurIPS CityLearn Challenge - Forecasting Track](#) (2023)
- 2nd Place in the [Net Load Forecasting Prize](#) (2023)
- Phase 1 Winner in the [Digitizing Utilities Prize](#) (2023)
- 2nd Place in the [NeurIPS CityLearn Challenge](#) (2022)
- Runner Up in the [Solar Forecasting Prize](#) (2022)
- Winner in the [Recidivism Forecasting Challenge](#) (2021)
- 1st Place in the [ASHRAE - Great Energy Predictor III](#) (2019)