Dustin Irwin

Data Analytics

Mobile: 503.810.6415

Email: <u>dusty.irwin@gmail.com</u> Portfolio: <u>Github Data Analysis Repository</u>

Skills

MS Office Suite including Teams, PowerPoint and Excel.

Python programming including pandas, scikitlearn, seaborn and equivalent R/Julia libraries.

Modeling methods including linear regression, clustering, decision trees and random forests, gradient boosting and neural networks.

Data visualizations and dashboards with Tableau, PowerBI and Plotly Dash.

SQL, BigQuery, and Azure/AWS cloud computing resources.

Experience

ICF, Remote Data Scientist

FEBRUARY 2021 - FEBRUARY 2023

- Primary analyst for Home Optimization pilot program for Southern California Gas.
- Developed ML time-series energy forecasting models for residential homes.

The Cadmus Group, Portland, OR Senior Analyst

JANUARY 2018 - AUGUST 2020

- TRM reviews of utility energy and demand savings programs.
- Developed engineering tools for energy data and image analysis.

ICF, Portland, OR Energy Management Specialist

MARCH 2014 - AUGUST 2018

- Post-install inspections of building energy efficiency projects.
- Development of new energy efficiency measures for Energy Trust of Oregon.

Education

Portland State University, Portland, OR B.S. of Mech Engineering

SEPTEMBER 2010 - JULY 2015

Portland State University, Portland, OR M.S. of Applied Data Science for Business Intelligence

SEPTEMBER 2021 - JUNE 2023

Coursera, Google Data Analytics & Advanced Data Analytics Certificates

JULY 2023 - OCTOBER 2023

Awards

ICF "Employee of the Quarter" Q2 2015