

Michelle Griffith /// Data Scientist

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I am currently a data scientist with a background in Engineering Physics. I am proficient in python, SQL, data analytics, and building machine learning models. My experience in renewables, cleantech, and space tech has honed my drive to work with socially and environmentally minded companies to create systems and harness the power of humane tech & data to uncover insights that can lead to actionable steps forward to a smarter, sustainable and more equitable future.

SKILLS

Technical: Python (pandas, scikit-learn, Beautiful Soup, Jupyter, spacy, nltk, matplotlib, seaborn, Plotly), SQL (Snowflake, Postgres), Sigma (Dashboarding), AWS Certified Cloud Practitioner, Google Cloud (Vertex AI), Google Workspace, Jira

PROFESSIONAL EXPERIENCE

Divvy Homes, February 2022-Present /// *Data Scientist*

- Collaborated closely with business stakeholders at a late stage proptech startup to develop multiple ML models at different customer funnel stages for applicant prioritization. Stakeholders used models to gauge customer intent for the purpose of allocating differing company resources given predicted probability of purchasing a home with us.
- Monitored output of models and deployment pipeline using dashboarding to ensure desired model coverage, assess performance, and track progress towards associated key business results.

Maxar, June 2021-February 2022 /// *Junior AWS Cloud Governance Engineer, Contractor*

- Manage technical support operations within governance team, by providing support for governance tools
- Processing service requests from internal customers, while standardizing, documenting, and streamlining the resolution process to fix issues and implement new features, including automation of existing processes
- Monitor existing cloud resources for governance issues with Prisma, querying resources using RQL, including performing infrastructure as code scans of existing policies with REST API, and deploying fixes to existing pipelines based on analysis of query results.

Thinkful, 2020-2021 /// *Data Science Training*

Selected Project:

STUDYING SCOTUS: Using Supervised Learning Models to Predict a Supreme Court Justice's Vote

- *Optimized the initial version of a model that can predict how judges will vote as a tool to be used for those appointing judges to predict how they will vote based on the appointer's interests.*
- *Performed extensive initial data analysis to clearly understand differences between judges and issues areas in order to determine whether the model could actually be a useful tool.*

Other selected portfolio projects involving clustering, NLP, and experimental design available [on GitHub](#).

Independent Business Owner & Contractor, 2015-19 /// *Athlete, Outdoor Guide, Wellness Professional*

- Worked as a private yoga teacher, rock climbing guide & instructor, & semi-professional athlete, organizing manager & rigger for outdoor adventure documentaries and large events
- Marketed and lead multi-day off-grid yoga retreats for groups, and managed large-scale outdoor festivals/events

National Renewable Energy Laboratory, Golden, CO, 2013 /// *Photovoltaics Researcher*

- Conducted research to optimize Cadmium Telluride (CdTe) thin film solar cells
- Operated sputtering systems, and characterized the results on final device performance
- Presented insight from research into optimal parameters for the Cadmium Sulfide layer of a CdTe solar cell

National Renewable Energy Laboratory, Golden, CO, 2011-12 /// *Business Intern*

- Intern for the Industry Growth Forum, an annual business pitch competition hosted by NREL for cleantech startup companies to raise funding and access resources from NREL
 - Communicated with and counseled cleantech startup companies and entrepreneurs in different stages during their application process to present their business pitch at the Industry Growth Forum. Managed customer data with Salesforce CRM software
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EDUCATION: Colorado School of Mines, Golden, CO / Bachelor of Science, Engineering Physics, 2014, *Cum Laude*