

Michelle Griffith /// Data Scientist, Machine Learning Engineer

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[LinkedIn](#) | [GitHub](#)

I am currently a Data Scientist at Divvy Homes, a housing equality proptech startup making homeownership more accessible. I have an educational background in Data Science and Engineering Physics. I am proficient in python, data analytics, machine learning models, and leveraging these tools to fit the needs of stakeholders. My experience in renewables, cleantech, and space tech has honed my drive to work with socially and environmentally minded companies to harness the power of humane tech & data to build to a smarter, sustainable and more equitable future.

SKILLS

Python (pandas, scikit-learn, Beautiful Soup, Jupyter, spacy, nltk, matplotlib, seaborn), SQL (Snowflake, Postgres), GCP (Vertex AI, BigQuery), data modeling (dbt), Dashboarding (Sigma), DBT, Google Workspace, AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

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

- **Building, iterating, implementing, and monitoring** machine learning models to **streamline** and **automate** business decision making. Models include: predicting probabilities of customer outcomes, future costs for asset LTV, etc.
- **Identified problem areas** in company data, **built** data models using dbt for downstream use by data science team, **audited** internal data and **campaigned for changes** in company data model, **consistently worked cross functionally** with data engineers, platform team, and business stakeholders during these processes
- **Analyze historical trends** in data to validate (or invalidate!) model results, consider affects of larger economic trends on the story of the data, use results to **make better informed decisions** regarding functional use of models

Maxar, May 2021- Feb 2022 /// *AWS Cloud Governance Engineer*

- Managed internal technical support operations for Maxar Cloud Governance team, provide support for governance tools, while standardizing, documenting, and streamlining the issue resolution proces
- Monitored existing cloud resources for compliance issues, querying resources using RQL, performing IaC scans of existing policies, and deploying fixes to existing pipelines based on analysis of query results.

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

Selected Projects can be found 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 /// *CleanTech 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
 - Counseled cleantech startup companies and entrepreneurs in different stages during their application process to compete in a business pitch competition, 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*