

# David Cherney

Denver, CO

---

DMCherney@gmail.com

[linkedin.com/in/DMCherney](https://www.linkedin.com/in/DMCherney)

[davidcherney.github.io/portfolio](https://davidcherney.github.io/portfolio)

530-304-5886

---

## Skills

Python

Pandas

SQL

Sklearn

Tensorflow

Keras

LaTeX

Data Cleaning

Data Modeling

Neural Networks

Model Tuning

Git/Github

Advanced Math

## Education:

PhD, Mathematics,  
University of  
California, Davis

## Data Scientist and Analyst

finding novel ways to transform data into reason and action, humanist and longtermist working toward sustainable human flourishing, I connect details to big ideas to move forward.

## Professional Experience:

### Data:

General Assembly | Data Science Fellow

Full time program with requirements in data gathering, cleaning, exploring, visualizing, modeling , evaluating, and presenting.

- Computer vision: generation of semantic segmentation masks through a deep convolutional neural network to identify artificial beach litter
- COVID case prediction: estimated daily new cases for each state with black box and discretized compartment models.
- Stacking of models with tuned hyper-parameters to optimize accuracy in categorical prediction of income from other census data.
- NLP addiction risk Tagging: Developed a social media flagging model that identifies individuals at risk for addiction.
- Housing Price model: Developed a predictive model for housing prices.

### Professor:

From Junior College to Research University to levels

- Research Specialty: Mathematical Physics.
- Education Specialty: Linear Algebra