

# Derek Larson

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## EXPERIENCE

### @ Sojern, San Francisco

#### *Staff Data Science Engineer*

July 2018 - July 2019

Resumed managing with one report. Initiated, designed, and developed a backend platform for dynamically managing our advertising audiences

#### *Lead Data Scientist Engineer*

July 2017 - July 2018

Led the design and development of our ad campaign automation platform, which today allocates most of our spend and outperforms human management.

#### *Manager of Data Science Engineering (Interim)*

Jan 2017 - June 2017

Led 6 other data scientists in between the departure of the CTO and hiring of a VP of data science. Oversaw testing of our ML pipeline that demonstrated 20% improvement both in performance and cost savings where utilized.

#### *Data Science Engineer*

Feb 2015 - Jan 2017

Primary contributor to a machine learning modeling pipeline that allows creation of optimized audience segments for our client advertisers.

### @ National Taiwan University, Taipei

#### *Postdoctoral Researcher*

Feb 2010 - Oct 2012

Demonstrated the existence of a supersolid phase of magnetic interaction for a common spin glass model using Quantum Monte Carlo techniques.

## EDUCATION

### **University of CA, Santa Cruz — Ph.D. Physics**

Sept 2003 - June 2009

### **University of MN, Minneapolis — B.S. Physics, Mathematics**

Sept 1999 - June 2003

## OPEN-SOURCE PROJECTS

[github.com/dereklarson](https://github.com/dereklarson)

**Bento - Dashboard Templating Engine(2020):** Bento allows for rapid prototyping of interactive dashboards based on Plotly Dash. A user supplies a descriptive input to generate the application code.

Live example:  
[covid.dereklarson.info/](https://covid.dereklarson.info/)

**NNGEN - Neural Network Generator (2014):** a tool to define and train neural networks, similar to Keras, used on the Kaggle GalaxyZoo competition (placed 23rd of 300+)

## SKILLS

Python, JavaScript,  
React.JS, SQL

TensorFlow and GPU  
computing

Google Cloud, Docker,  
Kubernetes

