Will Stedden, PhD

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Languages & Tools   python, SQL, R, PyTorch, numpy, sklearn, pandas, git, bash, AWS, d3
Relevant Publications   EDEALS: Electricity Demand-response Easy Adjusted Load Shifting

EXPERIENCE

Solarpunk Travel Co-op   June 2021 - Present
Builder, Data Scientist, Solar EBike Mechanic   Madison, WI

· Developed web crawling, processing, and mapping pipelines for aggregating sustainable travel data
· Built solar charging ebikes, road-tested across 5000 miles, and presented at renewable energy conference
· Hosted public bike camping trips to promote sustainable local travel and reduce car and plane trips

Anthem Inc   July 2019 - June 2021
Senior Data Scientist   Palo Alto, CA

· Framed team's scientific direction, training colleagues on causal inference methods in ML
· Built team's first product prototype, calculating medication effectiveness while controlling for confounders
· Developed team's first ETL system, implementing pipeline and coordinating company-wide data sources

Color Genomics   Dec 2016 - June 2019
Data Scientist   Burlingame, CA

· Built bioinformatics methods for genetic ancestry using low depth whole genome sequencing
· Built computational models utilizing clinical, genomic and social determinant data to predict disease risk
· Implemented and maintained core ETL pipeline to deliver critical internal and external data

Insight Data Science   Aug 2016 - Jan 2018
Health Data Fellow, Technical Advisor   San Francisco, CA

· Built online NLP classification of patient symptoms using unstructured medical forum data in python
· Mentored fellows in data science problem solving to prepare for project presentations and job interviews

Artifice Tech Education, NFP   Dec 2013- Aug 2019
Board Secretary and CTO   Chicago, IL

· Founded after-school electronics and robotics program for youth on Chicago's south side
· Launched initiative to expand to 3 new schools; aided recruiting efforts to quadruple volunteer staff

University of Chicago, Munro Research Group   Aug 2011 - Feb 2017
Ph.D. Research Assistant   Chicago, IL

· Devised statistical methods for single-molecule measurement techniques and computational simulation
· Designed data-informed protocol for optimizing energy usage in a large high-performance computing cluster

EDUCATION

University of Chicago   May 2017
Ph.D. in Biophysical Sciences

University of Illinois at Urbana-Champaign   Dec 2009
B.S. in Engineering Physics with minors in Mathematics and Computer Science