lukepersola@gmail.com

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San Francisco, CA

LUKE PERSOLA

Data Engineer

lukepersola.com

 Persola

 LukePersola

Fellow   Jan 2019 – Mar 2019
Metis (data science bootcamp)   San Francisco
- Implemented similarity search across all Wikipedia biographies
  - Streamed decoding and filtering of articles from an XML dump
  - Vectorized extracted texts with spaCy and combined them (vector addition)
  - Improved search latency with a KD tree and deployed as a web app
- Predicted the outcomes of court cases based on an open source data set
  - Assessed a variety of models (naive Bayes, logistic regression, SVM, random forest)
- Implemented a multithreaded web scraper to collect employee satisfaction data
- Modeled topics in product reviews from Amazon Video

Software Engineer   Dec 2014 – Jan 2018
Demandbase   San Francisco
- Aggregated and transformed a dataset of millions of rows with SQL
- Wrote ETLs between data warehouses, S3, Hadoop clusters, caches, 3rd party APIs, etc.
- Managed complex dependencies between workloads in a job queuing system
- Hunted down data bugs throughout our pipeline
- Built websites which surfaced advertising metrics in varied reports and visualizations
- Proactively worked with internal users to identify pain points in their workflow with simple fixes, dramatically speeding up some tasks
- Led adoption of agile practices on my team as our first scrum master

ScrumMaster Certification   Mar 2016
cPrime

Software Engineer   Sept 2013 – Sept 2014
Perceptive Software   San Francisco
- Implemented features across the stack of a Rails video CMS
- Reimplemented system components as microservices communicating through RabbitMQ

Web Developer (contract)   Aug 2013 – Nov 2013
Dui Hua Foundation *via* Iconcells, LLC   Remote
- Built data entry tools used to track the legal status of political prisoners

App Academy (web development bootcamp)   Mar – May 2013
                                                               San Francisco

The Pennsylvania State University   2008 – 2012
Honors in Anthropology
Minors in Neuroscience and Japanese
Paterno Liberal Arts Undergraduate Fellow

Languages
Ruby
JavaScript (& TS)
Python 3
SQL

Web
Ruby on Rails
React
Redux
HTML
CSS

Data
PostgreSQL
Amazon Redshift
MongoDB
Redis
Sidekiq

Science
Pandas
spaCy
Matplotlib
scikit-learn

Misc.
git
visual programming