

# Hugh Wimberly

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2005 Rose Street  
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## RELEVANT EXPERIENCE

### **Deepform** (*experimental data extraction for journalism*)

San Francisco, CA

ML engineer (<https://github.com/project-deepform/deepform>)

5/2020–present

- Dockerized Tensorflow model for smoother development and easy deployment
- Automated testing and set up CI pipeline
- Optimized and automated training data pipeline
- Adapted binary classification model for multiclass labeling
- Prototyped image segmentation and text transformer models

### **Toptal** (*data engineering consultant*)

Client: *fortune 500 insurance company*

2/2020–4/2020

- Advised on cloud migration strategy; designed new, more flexible data pipeline
- Designed kafka-based interop to get mainframe data to Kubernetes consumers

Client: *fortune 100 healthcare company*

9/2019–1/2020

- Developed methodology for comparing performance of initiatives run by different teams
- Set up data lake and data discovery for 18 team data sharing
- Guided data science team in adopting best-practices and upgrading infrastructure

Client: *major canadian retail group*

1/2019–7/2019

- Created production pipeline for predicting sales volumes out of prototyped notebooks
- Built Airflow pipelines, reduced time to train predictive models from 20 hours to 40 minutes
- Guided team adoption of Docker, CircleCI; led testing and automation initiative

Client: *fortune 500 restaurant group*

9/2018–1/2019

- Feature engineering for recommender system (loyalty program suggestions)
- Migrated data science workflow to data warehouse (previously self-managed)
- Reduced analytics pipeline latency from 30 hours to 6 hours and improved reliability
- Advised and assisted in transition from pure Python to a PySpark workflow

### **Udacity**

Mountain View, CA

Senior Backend Engineer

2/2015–8/2015

- Optimized backend to reduce CPU usage by 70% and decrease AppEngine bill by \$30K/mo.
- Migrated legacy monolithic AppEngine site to AWS microservices
- Internationalized and localized main website for India launch
- Replaced payment backend to add Stripe support

### **Google, Knowledge Graph & Machine Intelligence**

Mountain View, CA

Software Engineer III

2/2012–2/2015

- R&D work on Google-scale in-memory distributed graph database
- Wrote two optimizing query compilers (for two source languages)
- Created visual debugger for inspecting graph diffs
- Led project test infrastructure improvements (recognized with Spot award)

## EDUCATION

### **New Mexico Institute of Mining and Technology (NMT)**

Socorro, NM

M.S. in Computer Science

December 2011

- Concentration: Information Security and Assurance

### **Rensselaer Polytechnic Institute (RPI)**

Troy, NY

B.S. in Computer Science

May 2007

- Concentration: Bioinformatics