

# # Stephanie Wang

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## ## Education

2017-2019  
(expected)      **MSc, Computer Science**; Stanford University  
*Courses: Intro to Statistical Inference, Fundamental Concepts of Analysis*

2013-2017      **BSc, Symbolic Systems**; Stanford University  
*Courses: Probabilistic Graphical Models, Group Theory, Principles of Artificial Intelligence, Linear Algebra and Matrix Theory, Computer Vision from 3D Reconstruction to Recognition, Natural Language Understanding, From Languages to Information*

## ## Work

### Big Data and Cloud Computing Intern

*Schlumberger Software Technology and Innovation Center* (Menlo Park, CA) Jun 2017 - Sept 2017

- > Wrote microservices in Google App Engine to convert large geospatial data to standard format and ingest into the datalake asynchronously. (python, go)
- > Programmed a Dataflow pipeline that converts streaming Pubsub messages into datalake objects. Packaged for company-wide use. (java)
- > Designed and implemented a pipeline for classifying well logs and extracting graph plots using computer vision techniques (SVM, HOG features, sliding window, Hough line transforms)
- > Scripted NLP pipeline for internal hackathon on multiclass classification of IT tickets using TF-IDF features and SVM. First to be implemented for production due to accuracy (80%) and readability.

### Machine Learning Intern

*Percolata* (Palo Alto, CA) Jun 2016 - Sept 2016

- > Machine learning on client data from hardware sensors installed in brick and mortar stores to forecast sales and foot traffic.
- > Data preprocessing, feature engineering and optimizing models for accuracy and use in software production to predict store sales. (numpy, pandas, scikit-learn, mysql)
- > Created data visualizations and presented findings to clients to show benefits in sales by using the product. (Tableau)

### CURIS Intern

*Stanford Computer Science Department* (Stanford, CA) Jun 2015 – Sept 2015

- > Prototyped The Smart Primer – a tablet application that engages children in experiential learning. Supervised by Professor James Landay in the HCI department. (Adobe Edge Animate, javascript)
- > Filmed a video and drafted a project proposal to showcase application's features.

## ## Experience

- Projects
- Topic Modeling AI Papers with Latent Dirichlet Allocation (CS 221)
  - Computational Analysis of Gender in Literature (CS 224U)
  - Classifying Remote Sensing Data of the Amazon Rainforest (CS 231A)
  - Plotify - a visualization of your Spotify playlists (2016 WiCS Hackathon)
  - Paperclip Maximizer - play an AI gone rogue (2017 STUDIO Game Jam)

Technical

python [#####]  
C++ [####]  
C [####]  
go [##]  
java [###]  
javascript [###]  
mysql [###]

## ## Extra

- > (ex) Varsity Saber Fencer *Stanford Varsity Fencing*
- > 2015 NCAA Western Regional Champion (Women's Saber)