Contact

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zhang-55068883 (LinkedIn)

Top Skills

Machine Learning

Computer Vision

Cognitive Neuroscience

Certifications

Deep Learning Specialization

Probabilistic Graphical Models
Specialization

Fan Zhang

Data Scientist

Irvine, California

Experience

NextAce

Data Scientist

April 2017 - February 2018 (11 months)

Santa Ana, CA

• Performed information extraction and document classification of scanned
images of legal documents using natural language processing and computer
vision techniques, such as deep learning, machine learning, and other
advanced statistical methods.

• Split images of scanned documents into zones, and performed optical
character recognition and barcode detection within each identified zone, using
signals analysis and pattern recognition techniques.

• Implemented document similarity indexing using a combination of optical
features and OCR text extracted from their scanned images, intersection-over-
union statistics of identified zones on each document's scanned images, and
locality-sensitive hashing.

• Classified documents by training neural networks on features extracted
using term frequency-inverse document frequency statistics, dictionary count-
vectorization, and truncated singular value decomposition.

• Extracted variables by training neural networks on labeled strided embedded
word-grams of OCR text.

Environment: Google Cloud Platform, Tensorflow, Numpy, Scikit-learn, Scikit-
image, Jupyter, Tensorboard

Myriad Consulting

Junior Data Analyst

June 2016 - May 2017 (1 year)

Redmond, WA

• Wrote stored procedures, views, functions, ad-hoc queries to support
analytical dashboards and reports, managed data quality to ensure
consistency and accuracy, data manipulation and extraction. Identified,
analyzed, and interpreted trends and patterns, and backed up and restored
databases as needed.

Pactera US

Intern
May 2013 - July 2013 (3 months)
Seattle, Washington

Cisco network access server configuration. Configured Cisco networking equipment to setup network devices such as routers, switches, firewalls, terminals, AAA servers, and file servers with their respective MAC and IP addresses.

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Education

University of California, Riverside
MS in Engineering, Data Science · (2018 - 2019)

University of California, Santa Cruz
B.A., Mathematics · (2014 - 2016)

Orange Coast College
Associate of Science (A.S.), Mathematics · (2012 - 2014)