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Computer Vision Engineer Resume Example

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COMPUTER VISION ENGINEER

Objective

Seeking a Data Science/Machine Learning Position

I am looking for a full time position in the AI space, my passion is using AI powered tools and platforms to create smarter software.

Education and Training

Bachelor of Arts: Computer Science

University of California

June 2017

San Diego, CA, United States

Activities & Honors:

- UCSD NCAA Women's Soccer Team
- 2-time Athletic Director Honor Roll-Gold Level
- iLead Communication and Leadership Award

Skills

- **Machine Learning:** deep learning, feature engineering, transfer learning, regression, classification, reinforcement learning
- **Frameworks/Applications:** Tensorflow, BigDL, Spark, scikit-learn, Jupyter, GCP, AWS, Qubole, Anaconda, Docker, Git
- **Languages :** Python, Linux, SQL, Java, HTML, CSS

Experience

Computer Vision Engineer**Yadle****11/2017 to Current****San Ramon, CA**

- Building detection and classification models using Python, Tensorflow, Keras, scikit-learn
- Constructing data ingestion pipeline, implementing APIs, and model deployment framework to add deep-learning generated intelligence to our system

Deep Learning Engineer**World Bank Project****08/2017 to 11/2017****Santa Clara, CA**

- Using a distributed Deep Learning framework for Apache Spark, BigDL, to train an Inception V3 CNN and classify 2.4 million images for the World Bank to detect fraud amongst crowdsourced images
- Doing feature engineering, image pre-processing, transfer learning, and fine-tuning of pre-existing ImageNet model from Caffe using inception architecture
- Published a customized Amazon Machine Image for deep learning in Spark to launch EC2 instances for educational purposes
- Speaker at multiple workshops/meetups including Intel AI DevJam Night in SF (video link: <https://www.youtube.com/watch?v=KzPWkY6Ng6M&feature=youtu.be>)

Project - Netflix Movie Recommendation System**UCSD****06/2017 to 06/2017**

- Engineered dataset for students' opinions on Netflix movies to learn a Naïve Bayes Model for classifying students to a moviegoer type

- Used EM algorithm for binary matrix completion, then fine-tuned parameters used to recommend personalized, best unseen movies to each student

Natural Language Processing for Resume Evaluation
talents.ai

06/2017 to Current

- Developed resume evaluation system using NLP libraries such as NLTK to parse files of pdf/docx formats and rank candidates' skills sets.
- Used TensorFlow (CNN, regression) to classify potential candidates to sub-categories and predict likelihood of job success

End-to-end Emergency Dispatch System
Red Cross

02/2017 to 05/2017
Tijuana

- Developed web-application which connects dispatchers with ambulance locations in real time, part of an end-to-end emergency dispatch system deploying in Red Cross of Tijuana, Mexico.
- Implementing MQTT protocol, REST APIs, serializations, designing schema, improving data visualization using Python/Django and designing algorithm to route ambulances more efficiently and reduce response times.

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Resume Overview

Companies Worked For:

Yadle
World Bank Project
UCSD
talents.ai
Red Cross

School Attended

University of California

Job Titles Held:

Computer Vision Engineer
Deep Learning Engineer
Project - Netflix Movie Recommendation System
Natural Language Processing for Resume Evaluation
End-to-end Emergency Dispatch System