WILL CHEN

willchenyh.github.io

Looking for internship opportunities in data science and machine learning

EDUCATION

EDUCATION06/2017B.S. Electrical Engineering		Iniversity of California, San Die	ego GPA: 3.5/4.0
06/2019 M.S. Machine Learning and Dat		Iniversity of California, San Die	-
RELEVANT COURSES			
	near Algebra	Data Structure	
Statistical Learning Pr	robability	 Software Tool 	s and Techniques
SKILLS/QUALIFICATIONS			
Proficient in Python, MATLAB			
 Experience with Keras, Caffe, Tenso 	rFlow, SQL, Oper	CV, Linux	
Data science tools: Scikit-learn, Pan	das, NumPy, Mat	plotlib, Bokeh	
EXPERIENCES			
Machine Learning Intern, AV Lab, San Diego			(07/17 – 09/17
 Researched and learned various uns 			
 Applied clustering methods and Rec 		tworks on astrophysical data	
Research Assistant, Statistical Visual Compu			(01/17 – 09/17
 Collected over 12,000 plankton image 	-		
 Classified plankton images using Co 90% accuracy 	nvolutional Neur	al Networks on taxonomical le	evels and achieved abov
	d ImageNet weig	hts on Coffe platform for clas	cification tacks
 Fine-tuned AlexNet, with pre-traine Extracted latent variables from neur 		•	SITUATION LASKS
 Created a plankton pose predictor b 			
			(09/16 – 12/17
Teaching Assistant, Electrical and Computer			• • •
Wrote detailed instructional materia			i programs
Led class discussions on deep learni	ing applications in	i computer vision	
PROJECTS			
Face Recognition System Prototype	.		(06/17)
• Trained a VGG16 network with tran	-		
 Established a system to autonomo Raspberry Pi and remote GPU 	usly detect face	s using OpenCV, and fetch a	nd send data between a
Text Sentiment Analysis			(01/17
Built a classifier with 94% accuracy of the second se	on positive and n	egative Yelp reviews, using ov	er 70,000 entries
Applied techniques including stem	nming, lemmatiza		
with word embedding for classificat	tion.		
 Utilized NLTK and scikit-learn package 	ges in Python		
Visualization on Flight Delays			(10/17
 Cleaned, organized and visualized fl 	light delay data fr	om Department of Transporta	ation website
House Price Prediction			(12/17
Processed data, and applied linear,	tree-based and s	acked models for prediction	
LEADERSHIP			
Vice President External. Institute of Electric	al and Electronic	Engineers (IEEE) LICSD	(05/16 - 05/17)

Vice President External, Institute of Electrical and Electronic Engineers (IEEE), UCSD (05/16 – 05/17)

• Led weekly internal meetings, provided oversight to officers, helped managing responsibilities including sponsorship applications and event logistics, resulting in the organization's effective operation