Weimeng **Pu**

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Education

San José State University *San José, CA*

B.S. in Computer Science, Honors(expected) *Aug 2014 - (Exp)May 2018*

Major GPA: 3.906/4.0

Experience

Data Science Intern (NLP)

Enterprise Solutions, SJSU *Feb 2017 - PRESENT*

- Preprocessing address data to help with the prediction of enrollment decisions of admitted students by the admission office
- Building the pipeline of predictive analytics based on a web-based student performance monitoring system that provides automated student services and communication between faculty, advisors and tutors
- Classifying support tickets from the service department

Lab Instructor

CS 46A (Introduction to Programming) *Jan 2017 - PRESENT*

Teaching Assistant

CS 49J (Programming in Java) *Jan 2017 - PRESENT*

Computer Science and Mathematics Tutor

College of Science, SJSU *Aug 2016 - Dec 2016*

Projects

Vehicle Detection and Tracking

Computer vision *Feb 2017*

- Performed a Histogram of Oriented Gradients (HOG) feature extraction on a labeled training set of images
- Trained a classifier Linear SVM classifier to search for vehicles in videos and estimated a bounding box for vehicles detected

Lane Lines Finding

Computer vision *Jan 2017*

- Applied distortion correction, color transforms, gradients and perspective transform to detect lane pixels and output visual display of the lane boundaries and numerical estimation of lane curvature and vehicle position

Car Behavioral Cloning

Computer vision *Dec 2016*

- Used the simulator to collect data of good driving behavior
- Built a convolution neural network in Keras that predicts steering angles from images
- Used the model to successfully drives around track in the simulator without leaving the road

Traffic Sign Recognition

Computer vision *Nov 2016*

- Trained a basic convolutional neural networks to classify traffic signs from the German Traffic Sign Dataset with accuracy of 91%

Examining Worldwide Income Inequality (R, SQL, SPSS)

Data Science *May 2016*

- Used Multiple Linear Regression to examine various development indicators from the World Bank and discover how they influence income inequality as measured by the GINI index
- Was the only project from the course that had been awarded in the competition

Honors & Awards

2016 **3rd Place**, American Statistical Association Undergraduate Statistics Class Project Competition

2016 **The Google Games Bay Area Coding Winner**, Google

2014 **Humanities Honors Program**, San José State University (top admitted students)

2012 **Outstanding Presentation Award**, Harvard AUSCR China Thinks Big Competition