

# Wen Zhang

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## **EXPERIENCE**

### **Data Science Immersive**

10/2017-Present

Galvanize, San Francisco, CA

- Trained linear model(Ordinary Least Squares, Ridge and Lasso) to predict auction price for equipment.
- Applied Logistic Regression, Random Forests, Gradient Boosting, Naive Bayes to predict custom churn.
- To be continued.

### **Data Analyst**

07/2015-01/2016

Kaiser Permanente, Oakland, CA

- Provided data analysis with regression analysis and hypothesis testing for performance improvement among various clinical departments using SAS Enterprise and Teradata SQL Assistant.
- Applied exploratory analysis and data visualization to generate the weekly report using Tableau.
- Managed large database of electric health records (EMR) to assist medical research and peer review.
- Supported hospital committees through the preparation of meeting materials, minutes and follow-up.

### **Analyst Intern**

06/2014-09/2014

Radiation Oncology, UCLA Medical Center, Los Angeles, CA

- Manipulated large datasets of clinical records using SAS 9, MySQL, and Excel.
- Provided qualitative and quantitative analysis for physicians on issues of treatment quality assessment by running tests, ANOVA, univariate and multivariate analysis such as regression.
- Summarized results, created customized charts and reports, advised team leader with findings and recommendations on critical initiatives.

### **Public Health Intern.**

06/2012-09/2012

Center for Disease Control and Prevention (CDC), Shenzhen

- Maintained National Disease Database and generated localized and real-time charts for infectious disease control using SQL and Excel.
- Conducted literature review, grant writing and sample test to assist the design of epidemiology investigation.

### **Intern Physician**

08/2011-01/2012

West China Hospital, Chengdu

- Worked as an assistant for senior physicians in the aspect of diagnosis, treatment, and other clinical practice.
- Collected and organized medical record and collated them in brief report for research and education purpose.

## **EDUCATION**

### **University of California, Los Angeles (UCLA)**

09/2013-06/2015

Master of Science in Epidemiology and Biostatistics

### **Sichuan University**

08/2008-07/2013

Bachelor of Medicine in Preventive Medicine

## **PROJECTS**

### **Single Nucleotide Polymorphism, Smoking and Lung Cancer Survival: A Case Control Study** 03/2015

- Trained Cox regression model to investigate the association between selected SNPs and survival of lung cancer, which identified higher survival rate of dominant model of rs4324798 (6p22.1) comparing to recessive model using SAS.

### **Dietary Fat Reduction and Breast Cancer Outcome: A Multi-Center Clinic Trail**

10/2014

- Conducted data analysis (multiple imputation, linear regression, logistic regression, ANOVA, correlation test, t-test, chi-square test, and multivariate analysis) to test the effect of dietary intervention on the outcome of breast cancer which found that reducing dietary fat intake may reduce recurrence of breast cancer.