Tyson (Zhiyuan) Ni

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Available to start in early July, 2017

Work Experience

Data Analytics Intern | Uber, San Francisco   **June ~ September 2016**

- **Data**: Evaluated the statistical rigor of survey sampling methodology, conducted consumer segmentation analyses using computational techniques, wrote SQL queries, and authored research briefings.
- **Software**: Built a dashboard with ownership over product development tasks such as design, coding, and documentation. It contributed to Uber's fast growing market research team by helping them scale data infrastructure.

Extracurricular

Data Visualization Developer | Daily Bruin, UCLA

- I develop stories that blend data analysis, interactive graphics, and storytelling for UCLA's data blog, *The Stack*. This role allows me to experiment with data modeling, visualization, and web development tools while helping students study and play.

Workshop Chair | Stats Club, UCLA

- I teach and host workshops on topics related to data science and statistics. I also lead workshop planning for the UCLA *DataFest*, the largest data hackathon on the West Coast.

Research Assistant | Department of Political Science, UCLA

- I wrote an user interface to implement a psychological experiment using an open-source Python framework. In addition, I worked on a research project that examined the causal effect of violence on political reform in Kenya.

Favorite Projects

- Made an interactive tool to help students pick (easy) classes. This project went viral and received hundreds of daily clicks during class enrollment season. (http://bit.ly/2dukhbF)
- Analyzed and visualized gym traffic to help students plan workouts, using a dataset of 1.5 million timestamped entrance records. (http://bit.ly/2gRiYoR)
- Applied supervised and unsupervised machine learning algorithms to predict crimes in San Francisco during a Kaggle machine learning competition.

Education

- **B.S. Statistics**, and **B.A. Economics** at **University of California, Los Angeles**
- **September 2013 ~ June 2017**

Skills

- **Programming**: Python, R, SQL, JavaScript, C++, Data Visualization, Excel, Tableau
- **Academic**: Machine Learning, Algorithms, Linear Algebra, Regression, Econometrics