

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

- **Software:** Built a web analytics software that served analysts at the market research team by allowing them to monitor and visualize third-party survey data. I had ownership over design, coding (JavaScript, SQL, and R Shiny), documentation, and deployment.
- **Data:** Evaluated survey sampling methodology, conducted consumer segmentation analyses using computational techniques, wrote SQL queries, and authored research briefings.

Extracurricular

Data Visualization Developer | Daily Bruin, UCLA

- I develop stories that blend data and graphics for UCLA's data blog, *The Stack*. This role allows me to experiment with web development (D3.js, React, JQuery), visualization, and statistical tools while helping students study and play.

Workshop Chair | Stats Club, UCLA

- I teach and host workshops on topics related to data science, programming, 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

- Using Python, I wrote a software that implemented a computer-based psychological experiment. I also contributed to a research project that examined the causal effect of violence on political reform in Kenya.

Favorite Projects

- Analyzed the relationships between academic subjects at UCLA by applying natural language algorithms on course descriptions. The project received a recommendation from the head of Statistics department. (<http://bit.ly/2qdP0UR>)
- Made an interactive tool to help students pick classes. This project went viral and received hundreds of daily clicks during class enrollment season. (<http://bit.ly/2dukhbF>)
- Simulated, analyzed and visualized gym traffic to help students plan workouts, using a dataset of 1.5 million timestamped entrance records. (<http://bit.ly/2gRiYoR>)
- Routinely participate in Kaggle competitions to learn and implement techniques related to machine learning, optimization, programming, and data analysis.

Education

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

Skills

- **Programming:** Python, JavaScript, R, SQL, C++, React, Tableau, Data Visualization
- **Academic:** Machine Learning, Algorithms, Regression, Natural Language Processing