Tyson (Zhiyuan) Ni

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Work Experience

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

- **Software**: Built a dashboard with ownership over product development tasks such as design, coding (R Shiny and JavaScript), and documentation. It contributed to Uber's fast growing market research team by helping them scale their data infrastructure.
- **Analytics**: Evaluated the statistical rigor of survey sampling methods, conducted consumer segmentation analyses using computational techniques, wrote and pulled SQL queries, and wrote research briefings for policy and marketing teams.

Extracurricular

Data Visualization Developer | Daily Bruin, UCLA

- I develop data-driven articles that feature a blend of data analysis, interactive graphics, and storytelling for UCLA's data blog. This role allows me to experiment with data modeling, visualization, and web development tools while helping students study and play. (https://stack.dailybruin.com/)

Workshop Chair | Stats Club, UCLA

- I teach and host workshops on topics related to data science, statistics, machine learning, and political science. In addition, I 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 novel psychological experiment using an open-source Python framework. In addition, I analyzed the sampling methodology of a study 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. (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 + B.A Economics @ UCLA **September 2013 ~ June 2017**

Knowledge

- **Academic**: Machine Learning, Algorithms, Optimization, Linear Algebra, Game Theory, Behavioral Economics, Political Philosophy
- **Programming**: Python, R, SQL, JavaScript, C++, Data Visualization, Excel, Tableau