

# Yunxuan(Ali) Li

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**Github Page:** <https://github.com/yl491>

Looking for full-time data science/quantitative analytics opportunity

## Education

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**Duke University**, 2017 ~ Present

**Expected Graduation: 05/2019**

M.S. in Statistics, GPA: 3.88/4.00

*Coursework: Bayesian Statistics, Machine Learning, Modern Regressions, Experimental Design*

**University of California, Los Angeles**, 2013 ~ 2017

B.S. in Applied Mathematics, Specialization in Computing; B.A. in Psychology; GPA: 3.81/4.00

## Work & Research Experience

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**Risk Analyst Intern, PayPal Inc.** Summer 2018

Baltimore, MD

- Independently designed and executed three credit risk tests, including processing and analyzing large-scale transaction data in SQL/SAS and R to govern current policies and models; all tests have identified flaws in current policies/models and have led to follow-up remediation plans

**Research Assistant, Micro- Fluidics Lab, UCLA.** Fall 2016 ~ Spring 2017

Los Angeles, CA

- Researched on the relationship between location and speed of red-blood cells in zebrafish. Worked with professor Marcus Roper, applied template-matching method to build an image analysis model which automatically detects & tracks the movement of cells in zebrafish video (Java, Matlab)

**Data Analyst Intern, Engineering Leadership Program, Xylem Inc.** Summer 2016

Chicago, IL

- Conducted regression analysis over large dataset of production test data, successfully optimized the production test cycle, and reduced production test cost for over \$40,000 per year. (R)

## Projects & Professional Training

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**K-means II Implementation**, Duke University.

- Implemented the clustering algorithms introduced in *Scalable K-means++*, optimized (e.g., parallelism) and packaged the algorithm (Python)

**Machine Learning Based League of Legend Match Outcome Prediction**, Duke University.

- Extracted match data via API, and applied ML algorithms (RF, GBM, KNN, SVM) to predict the outcome of a match using early game information. Reached 80% accuracy (Python, R)

**Data Science Training**, Duke Clinical Research Institute.

- Received systematic professional training on statistical analysis, R/SAS coding as Data Science Intern (Jan 2018 ~ Feb 2018)

## Awards & Activities

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- Best Visualization Award, DataFest 2018** (Awarded to 1 out of 80 teams in North Carolina) Analyzed large-scale data from indeed.com and visualized insights with ShinyR.
- Member of Phi Beta Kappa**, UCLA (awarded to the top 10% of students in class of 2017)
- Volunteer at the Help Group** (Spring 2016 ~ Spring 2017) Participate in the year-long Miracle Project and help kids with autism develop their social skills.

## Additional Information

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- Analytical & Programming Skills:** Proficient: R, SQL, Python; Fluent: C++, Java, Matlab
- Others:** Duke CQA Investment Competition Team (2017); Department of Alumni Connection, Duke Chinese Student and Scholars Association (present); UCLA Table Tennis Club Team (2014)