
EDUCATION

Pomona College**Claremont, CA***Bachelor of Arts, Computer Science & Mathematics**Expected - May 2019*

- Cumulative GPA: 3.93/4.0, Pomona Scholar for 4 semesters (placed in top 25% of class)
- Related coursework: Computational Statistics; Big Data - Platform/Application; Econometrics; Data Structures; Probability; Statistical Theory; Financial Statement Analysis; Microeconomic Theory

Gaoxin No. 1 High School**Xi'an, Shaanxi, China***Top 1 High School in Xi'an, Leader in International Education**June 2014*

- Class rank: #1, Cumulative GPA: 98.5/100, 11 AP courses: received 10 fives
- Standardized Test Scores: SAT - 2250/2400 (Math & Reading: 1540), SAT Subject Test - 2400/2400

WORK EXPERIENCE

Business and Credit Risk Analyst Intern**Pasadena, CA***Scratch Financial, LLC**Sep 2017– Current*

- Build Python functions and pipelines to automate data cleaning and extraction from *json* credit reports
- Create and identify new features that contribute to building a more sophisticated decision model to lower default rate while boosting revenue
- Maintain business performance data to track past performance and identify areas of improvement

Summer Researcher at Mathematics Department**Claremont, CA***Pomona College Summer Undergraduate Research Program (SURP)**May 2017 - Current*

- Devised and implemented a new machine learning algorithm - Bag of Little Random Forests (BLRF) as an R package, utilizing a paralleled structure for faster computation
- Evaluated and visualized the statistical and computational performance of BLRF using simulated data sets
- Fine-tuned the hyperparameters of BLRF and analyzed their impact on accuracy and time consumption
- Working on a 30-page academic paper for student research competition and publishing

President, 2016-2017**Claremont, CA***Claremont Chinese Student Association (CSA)**May 2016 – May 2017*

- Planned and coordinated there major on-campus events to promote awareness of Chinese culture
- Acquired \$4500 as external funding through successful negotiations with outside partners
- Provided 450+ members across the College Consortium with career assistance through alumni connections, cooperation with career-counseling agencies and alumni on-campus lectures

Quantitative Analyst Intern**Xi'an, Shaanxi, China***Guotai Junan Securities Co., Ltd**June 2016 – Aug 2016*

- Performed hypothesis testing on the significance of fundamental indicators on changes in stock prices
- Devised and evaluated stock selection methods for stocks in the Chinese stock market
- Assisted the IB division with due diligence of one client company listing on NEEQ

SKILLS & MEMBERSHIP

Github Projects: <https://github.com/zihaoxu> (My-Gallery, Statsketball, randomForestBLB, jac_project)*Tech Skills:* Python (pandas, numpy, seaborn, sklearn), R, Java, SQL, C, SML,
Machine Learning (Linear/logistic Regression, Lasso, CART, Random Forests, SVM)*Other Skills:* Mandarin, English, Japanese (intermediate), Event planning, Guitar, Cooking, Golf*Memberships:* Sagehen Capital Management, Claremont Chinese Student Association, Irish Music Ensemble