

William Guo

Houston, TX, 77005 - wrg2@rice.edu - (713) 291-8338 - linkedin.com/in/william-guo - williamrguo.com

EDUCATION

Rice University, Houston, TX

May 2019

B.A. in Computer Science and B.A. in Mathematical Economic Analysis

RELEVANT COURSEWORK:

- **Statistical Machine Learning** 2018
- **Introduction to Computer Systems** 2018
- **Econometrics** 2018

SKILLS

- **Languages:** Java, Python, C, MATLAB, R, Perl
- **Software:** MS Office, LaTeX
- Time Series and Econometric Analysis

WORK EXPERIENCE

Amazon, Inc., Seattle, WA

Software Development Engineer Intern

May - July 2018

- Built a new, customer-facing feature in AWS CloudFront to improve content distribution customizability.
- Helped decrease support tickets cut from customers requesting this feature.
- Completed required security reviews for shipping approval.

Rice University, Houston, TX

COMP 182 TA

January - May 2018

- Held office hours every Sunday to help answer student questions about class material and assignments.
- Graded bi-weekly homework assignments and bi-semester exams.

Research Assistant

May - July 2017

- Analyzed the reliability and optimal parametrization of financial back-testing.
- Gathered extensive pricing data from Bloomberg and handled project implementation in R, which evaluated a simple trading strategy's cumulative performance.

RELEVANT PROJECTS

Statistical Machine Learning, Rice University

2018

Kaggle Data Science Bowl 2018

- Tackled the problem of nuclei detection through pre- and post-processing workflows that heavily increased the performance of state-of-the-art image segmentation methods.
- Implemented a U-Net with full training pipeline that achieved 0.351 intersection-over-union measure on the Stage 2 test data.

LEADERSHIP

Rice University O-Week Advisor

2017 - 2018

Student Mentor

- Introduced Rice University to nine new students, including aspects of its student life, academics, and culture.
- Monitored student growth and progress as independent college students throughout the academic year.

Rice Men's Club Volleyball

2016 - present

President (2018-Present), Treasurer (2017-2018), Player (2016-present)

- Constructed a budget proposal for the club's yearly expenses and revenue.
- Managed team social media and made executive decisions about tournament details and expenses.

ACTIVITIES

- WUSTL Club Tennis - *Player* (2015-2016)