

Reed Zhang

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EDUCATION

UNIVERSITY OF WASHINGTON

M.S. STATISTICS

Sept. 2019 - March 2021 | Seattle, WA
GPA: 3.94/4

COURSEWORK

ML for Big Data	CSE547
Nonparametric Regression	STAT527
Statistical Computing	STAT534

CARNEGIE MELLON UNIVERSITY

B.S. STATISTICS AND MACHINE LEARNING

Minor in Mathematics
Aug. 2016 - May 2019 | Pittsburgh, PA
GPA: 3.97/4
Dean's List

COURSEWORK

Intro. Machine Learning †	10-701
Methods of Optimization †	21-690
Statistical Finance	36-466
Natural Language Processing	11-411
Deep Reinforcement Learning	10-403
Adv. Methods in Data Analysis	36-402
Real Analysis II	21-356
Statistical Computing	36-350
Great Ideas in Theoretical CS	15-251
Intro. Computer Systems	15-213

† = graduate level

THOMAS JEFFERSON HS FOR SCIENCE AND TECH

Grad. June 2016 | Alexandria, VA
Weighted GPA: 4.49/4.0
Math Team
EconChallenge
National AP Scholar with Distinction

SKILLS

PROGRAMMING

Proficient:

Python • R • C

Familiar:

Java • SQL • HTML/CSS/Javascript

OTHER

Spark • Linux • Git

EXPERIENCE

RIOT GAMES | DATA SCIENCE INTERN

June 2020 - Aug 2020

- Worked on NLP pipeline using Python and Spark to understand mobile app reviews.
- Fine-tuned TensorFlow BERT models on task-specific data.
- Built Tableau dashboard to visualize app review topics.
- Participated in data reading group.

CMU ML DEPARTMENT | RESEARCH ASSISTANT

Jan 2018 - Feb 2019 | Pittsburgh, PA

- Implemented and tested novel ML algorithm for active learning.
- Published to The International Conference on Machine Learning (ICML) 2019 as third author.
- Applied research to nuclear fusion problem in collaboration with Princeton Plasma Physics Lab.

QUESTION.AI | ML ENGINEERING INTERN

May 2017 - Aug 2017 | San Francisco, CA

- Wrote script to crawl and scrape websites.
- Trained machine learning models (TensorFlow, Fasttext) on AWS server.
- Improved emotion classification accuracy from 50 to 61 percent.

PROJECTS

INGREDIENT ASSOCIATOR July 2019

- Implemented algorithm to suggest groups of associated food ingredients.
- Learned 986 groupings from dataset of 20,000 recipes and 400 ingredients.

FROST (WEB PAGE) | HACKCMU

Sept 2016 | Pittsburgh, PA

- Worked in team of four to create financial transparency website.
- Used JavaScript and D3 library to create aesthetic visualizations.
- Won the Best DataHack award at HackCMU 2016.

TWO NEW STATISTICAL POTENTIALS FOR PROTEIN STRUCTURE MODEL QUALITY ASSESSMENT

June 2015 - Aug 2015 | Gainesville, VA

- Developed statistical model for protein structure data in R.
- Classified genuine vs computer-generated structures with 94.6% accuracy.
- Presented project at research symposium.

ACCOMPLISHMENTS

- | | |
|---------|--|
| 2019 | ICML publication: "Myopic Posterior Sampling for Adaptive Goal Oriented Design of Experiments," 3 rd author |
| 2017 | Tartan Data Science Cup, CMU Top 8/40 |
| 2016 | Best DataHack at HackCMU, presented by Yahoo! |
| 2016 | Tartan Data Science Cup, CMU Top 10/70 |
| 2014-16 | American Invitational Mathematics Examination invitee (x3) |
| 2015-16 | Rho Psi Science and Technology Research Scholarship (x2) |
| 2015 | America Regions Mathematics League B Division Team 3 rd /48 |