

# Kunhang (Kane) Luo

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## Education

### Northwestern University

Master of Science in Analytics

**Expected courses** Big Data, Analytics Value Chain, Warehouse, Visualization

Evanston, IL

Sep 2021 – Dec 2022

### University of Washington

BS in Applied and Computational Mathematics **3.82/4, Cum Laude**, Dean's List 2017-2020

Seattle, WA

Sep 2016 – Jun 2020

## Work

### Data Scientist Intern

StubHub Data team – Product & Engineering

Shanghai, China

Apr 2021 – July 2021

- Decreased the friction of user login process by **33%**, increased the precision of an XGBoost classification model to **50%** higher than the previous version by performing feature engineering
- Reduced manual workload by **67%** by calibrating model parameters and adopted a model update from **A/B testing**
- Deployed models to the production environment that impacted **2 million** daily traffic, and assumed the responsibility for monitoring performance and handling errors
- Presented and explained model performance metric changes to management during product review meetings

### Data Analyst Intern

StubHub(eBay) Product Management team – Product & Engineering

Shanghai, China

Oct 2020 – Apr 2021

- Created metrics, reports, and visualizations with Tableau that facilitate managers' understanding of product performance and site traffic volume, as well as support their evaluation of engineering teams
- Designed and implemented **10** ETL procedures to transform data to analytic tables with BigQuery and Dataworks
- Built alerts on monitoring website errors and unusual daily metrics change integrated with Slack

## Experience

### Data Science Practicum Consultant

Chicago Park District

Chicago, IL

Sep 2021 – Jun 2022

- Analyzed trends from the activity registration of programs offered by the Park District
- Built prediction model to advise resource allocation and quantify impact of the activities

### Data Science Consultant

NASA Jet Propulsion Lab

Evanston, IL (remote)

Sep 2021 – Dec 2021

- Designed features, built models (logistic regression, random forest) to predict tsunami with AUC score of 0.78 based on the electron content in the atmosphere

### Research Assistant

Foster School of Business, University of Washington

Seattle, WA

Apr 2019 – Feb 2020

- Cleaned clinical data of over 3,000 cancer therapy sessions with Python pandas library for a PhD thesis on finding the most effective cancer treatment using machine learning algorithms (boosted trees, SVM, logistic Regression)

### Team Leader

American Statistical Association DataFest 2019

Seattle, WA

Apr 2019

- Built a multivariate correlation model between match performance and training pattern of a rugby team
- Led a team of four students and reached the final 4 teams amongst 10 that participated

## Skill

### Programming

Python (Pandas, Scikit-Learn, NumPy), Java, R (dplyr, ggplot), MATLAB

### Databases

SQL, PostgreSQL, BigQuery, BigTable

### Others

Tableau, GCP, AWS, Docker, TensorFlow, Git Bash, LaTeX