







# JOSHUA GOLDBERG

Data science professional with proficiencies in machine learning, deep learning, statistical analysis, and software development. Experience building recommendation systems for business applications and presenting results to broad audiences (business/executives, users, and peer groups).


## PROFESSIONAL EXPERIENCE

- Present  
|  
2020
- **Amazon**  
Data Scientist  Seattle, WA
    - Solve demand-forecasting problems with statistics, machine learning, and deep learning
    - Perform statistical analysis to determine effects of features to better understand business outcomes
    - Build software and tools to monitor machine learning models in production
- Present  
|  
2020
- **University of Chicago**  
Instructor & TA for statistics / machine learning / database courses  Chicago, IL
- 2020  
|  
2017
- **Nuveen**  
AVP, Lead Data Scientist  Chicago, IL
    - Pioneered end-to-end (execution and experimental design) deep learning time series solution for client onboarding; result identified ~\$1 billion sales opportunity to maximize client journey
    - Built recommendation engine for 150,000 clients in 50+ products
    - Presented model/analysis to executive management and sales team; results included model adoption by 100+ sales people and client transactions showed meaningful lift for those identified by the model and touched by the sales team
    - Created dashboard summarizing predictions for decision-makers
    - Conceptualized and created simulation engine that isolated, detected and measured the ROI impact of company sales events
- 2017  
|  
2014
- **Raymond James Financial, Inc.**  
Senior Equity Research Associate, Financial Services  Chicago, IL
    - Built company and industry models using finance and statistical techniques, including regression and discounted cash flows (DCF)
    - Initiated research coverage on \$6.5 billion, \$1.4 billion, and \$75 million market cap banks and property/casualty insurance company

## EDUCATION

- 2020  
|  
2018
- **University of Chicago**  
M.S. in Analytics  Chicago, IL  
Coursework in statistical analysis, linear algebra, machine learning, and deep learning.
- 2013
- **University of South Florida**  
B.S. in Accounting and Finance  Tampa, FL

## CONTACT INFO

✉ [josh.goldberg1@outlook.com](mailto:josh.goldberg1@outlook.com)  
**in** [linkedin.com/goldbergdta](https://www.linkedin.com/goldbergdta)  
 [github.com/GoldbergData](https://github.com/GoldbergData)

## SKILLS

R, python, big data platforms (Hadoop, spark, etc.), SQL, functional/object oriented programming, Tableau, html, css

R pkgs: tidyverse, tidymodels, purrr/furrr, rlang, caret

Python pkgs: pandas, numpy, scikit-learn, keras

## COMMUNITY

[Chicago R User Group](#)  
[Astrostatistics Study Group](#)  
[Chicago R-Ladies](#)  
[INROADS alumnus](#)

## OPEN SOURCE

 [footrull](#)  
 [freeCodeCamp](#)