

# 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
- **University of Chicago**  
Instructor & TA for statistics / machine learning / database courses  
📍 Remote
- 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

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## 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

 [footrullr](#)  
 [freeCodeCamp](#)