





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
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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 opportunity to maximize client journey
 - Built recommendation engine for 150,000 clients in 50+ products; simple classifier used for interpretability
 - Socialized model/analysis to executive management and sales team; outcome included use of the model by 100+ sales people and the creation of a Tableau dashboard summarizing predictions for decision makers and strategy; model results have shown meaningful lift in client transactions for those reached by the sales team
 - Conceptualized and created simulation engine that isolates, detects and measures the ROI impact of company sales events
- Present
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2019
- **University of Chicago**
TA, Stats Bootcamp / Data Analytics Professional Cert.  Chicago, IL
 - Hold weekly lecture review sessions for ~20 graduate students
- 2017
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2014
- **Raymond James Financial, Inc.**
Senior Equity Research Associate, Financial Services  Chicago, IL
 - Conducted and published research on 30 publicly traded companies
 - Built company and industry models using finance and statistical techniques, including discounted cash flows (DCF) and regression
 - Initiated research coverage on \$6.5 billion, \$1.4 billion, and \$75 million market cap banks and property/casualty insurance company
- Summer
2013
- **BlackRock**
Summer Analyst  New York, NY
 - Reconciled 5,000 FINRA and NASD registration documents for internal broker-dealers in Excel and DOX website

EDUCATION

- 2020
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2018
- **University of Chicago**
M.S. in Data Science  Chicago, IL
Notable coursework: Machine Learning & Predictive Analytics; Advanced Machine Learning & AI; Bayesian Methods; Big Data Platforms
- 2013
- **University of South Florida**
B.S. in Accounting and Finance  Tampa, FL

CONTACT INFO

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in [linkedin.com/goldbergdata](https://www.linkedin.com/goldbergdata)
🐙 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

🐙 [footrurl](#)
👤 [freeCodeCamp](#)