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

Amazon
Present | 2020

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

University of Chicago
Present | 2020

Instructor & TA for various Statistics and Machine Learning courses
📍 Chicago, IL

Nuveen
2020 | 2017

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
- 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 showed meaningful lift in client transactions for those reached by the sales team
- Conceptualized and created simulation engine that isolated, detected and measured the ROI impact of company sales events

Raymond James Financial, Inc.
2017 | 2014

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

University of Chicago
2020 | 2018

M.S. in Data Science — 📍 Chicago, IL

Notable coursework: Machine Learning; Advanced Machine Learning & AI; Bayesian Methods; Big Data Platforms

University of South Florida
2013

B.S. in Accounting and Finance — 📍 Tampa, FL

CONTACT INFO

- ✉ josh.goldberg1@outlook.com
- in 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

- footrulr
- freeCodeCamp