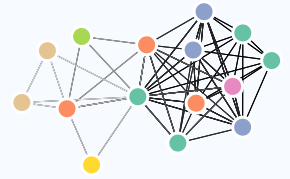





JOSHUA GOLDBERG

I have created machine learning models to optimize sales and marketing tasks with an estimated impact of \$1 million net revenue annually at a financial institution; I have also built models to detect risky behavior of millions of sellers on Amazon¹. Outside of work, I enjoy distance running and I like to develop/implement algorithms² in C++.



INDUSTRY EXPERIENCE

- Current
|
2020
- **Data Scientist**
Amazon  Seattle, WA
 - Build machine learning models to detect Amazon seller fraud activity
 - Manage ETL pipelines to enable automated work-flows
 - Maintain model efficacy through retraining and error analysis
 - Create software tools to monitor machine learning models in production
- 2020
|
2017
- **AVP, Lead Data Scientist**
Nuveen  Chicago, IL
 - Pioneered end-to-end (execution and experimental design) deep learning time series model for client onboarding; estimated impact of the model was \$1 million net revenue annually that maximized client journey (improvement in client retention, client growth, etc.)
 - Built recommendation engine for 150,000 clients in 50+ products
 - Presented model/analysis to executive management; results included model adoption by 100+ sales people and a significant increase sales for clients treated by the model
 - Conceptualized and created simulation engine that isolated, detected and measured the ROI impact of company sales events
- 2017
|
2014
- **Senior Equity Research Associate, Financial Services**
Chicago, IL  Raymond James Financial, Inc.
 - Built company and industry models using finance and statistical techniques, including regression and discounted cash flows (DCF)

EDUCATION

- Current
|
2021
- **Graduate Certificate in Software Design & Development**
University of Washington Bothell  Bothell, WA
 - C++ data structure & algorithms, object-oriented design, systems programming, and software planning and development

View this CV online with links at
<https://goldbergdata.github.io/cv>

CONTACT



josh.goldberg1@outlook.com



[https://twitter.com](https://twitter.com/GoldbergData)

[/GoldbergData](https://twitter.com/GoldbergData)



<https://github.com>

[/GoldbergData](https://github.com/GoldbergData)



[https://joshuagoldberg](https://joshuagoldberg.name)

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

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

LANGUAGE SKILLS

R

SQL

C++

Python

Bash

HTML/CSS

Javascript

Last updated on 2021-10-05.

- 2021 • **Computer Science Coursework**
Edmonds College 📍 Seattle, WA
• C/C++ Data structures & algorithms and object-oriented design
- 2020
|
2018 • **M.S. in Analytics**
University of Washington Bothell 📍 Chicago, IL
• Coursework in statistics, linear algebra, machine learning, and deep learning
- 2013 • **B.S. in Accounting and Finance**
University of South Florida 📍 Tampa, FL



TEACHING EXPERIENCE

- Current
|
2020 • **Data Understanding via SQL, Databases, and R**
University of Chicago 📍 Remote
• TA and lecture
• Topics include introduction to databases, mySQL, and R
- Current
|
2020 • **MastersTrack Statistics for Machine Learning**
University of Chicago 📍 Coursera
• TA and lecture
• Topics include simple and multiple regression, logistic regression, hypothesis testing, variable transformations
- Current
|
2020 • **MastersTrack Machine Learning**
University of Chicago 📍 Coursera
• TA
• Topics include a survey of machine learning algorithms: kNN, support vector machine, decision tree, random forest, boosted trees, and clustering algorithms

I am passionate about teaching and helping others. It brings me joy and satisfaction to teach others new skills.