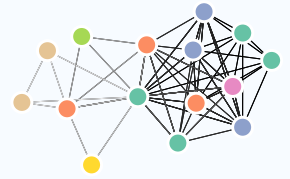


# JOSHUA GOLDBERG

I have created machine learning models to optimize sales and marketing tasks with potential impact total \$1 million sales annually at a financial institution; I have also built models to detect risky behavior of millions of sellers on [Amazon](#). Outside of work, I enjoy distance running and I like to [develop/implement algorithms](#) 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 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; 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

## CONTACT



[josh.goldberg1@outlook.com](mailto:josh.goldberg1@outlook.com)

 GoldbergData

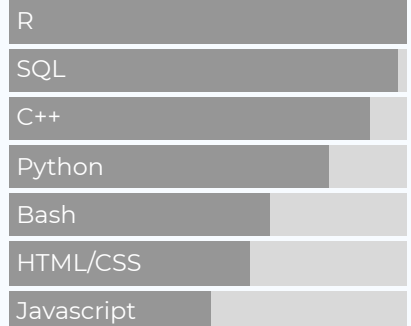
 [github.com/GoldbergData](https://github.com/GoldbergData)

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

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

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

## LANGUAGE SKILLS



*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.